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TABLES OF STIFFNESS AND CARRY-OVER FACTOR FOR FLAT

RECTANGULAR PLATES UNDER COMPRESSION

By W. D. Kroll

Langley Memorial Aeronautical Laboratory
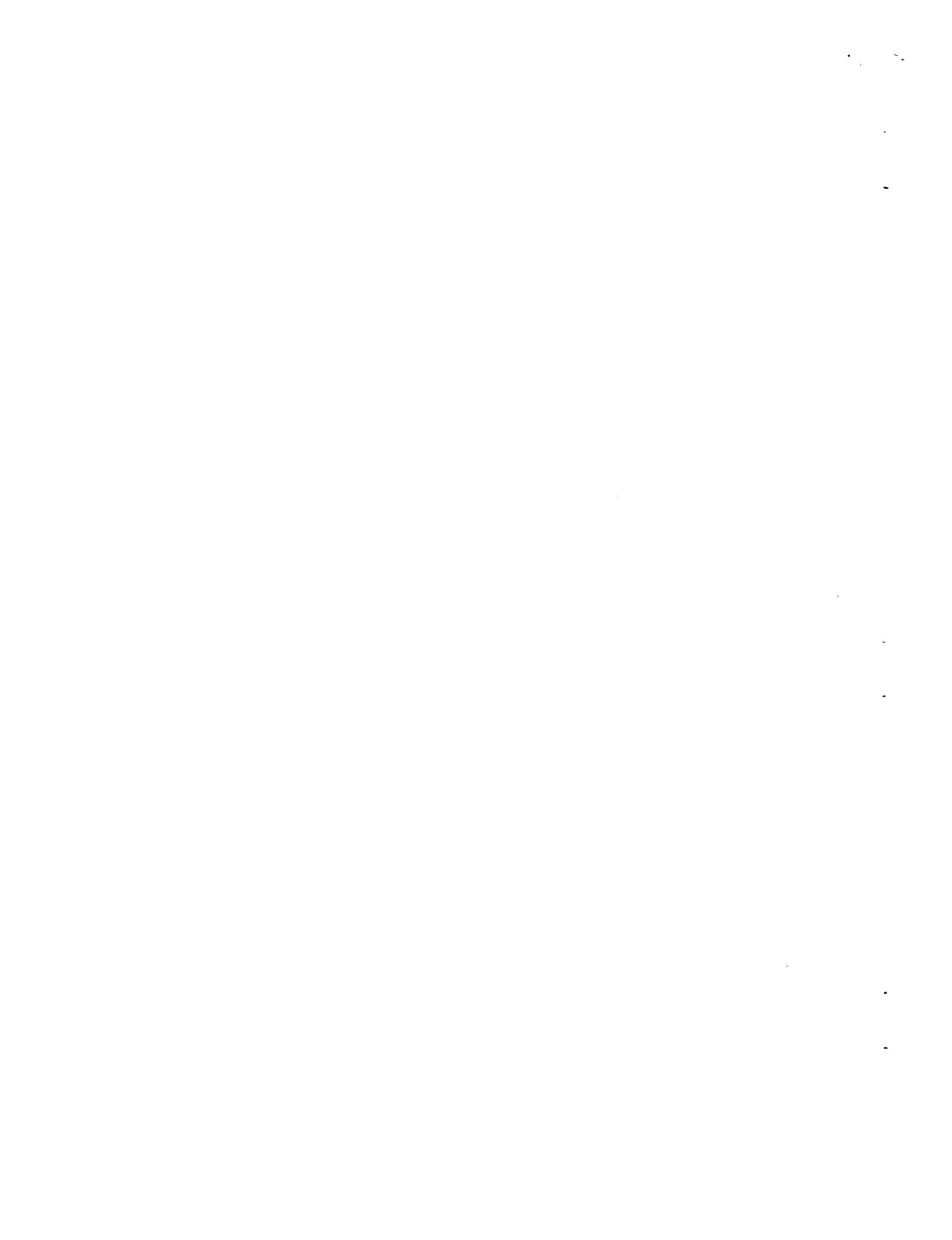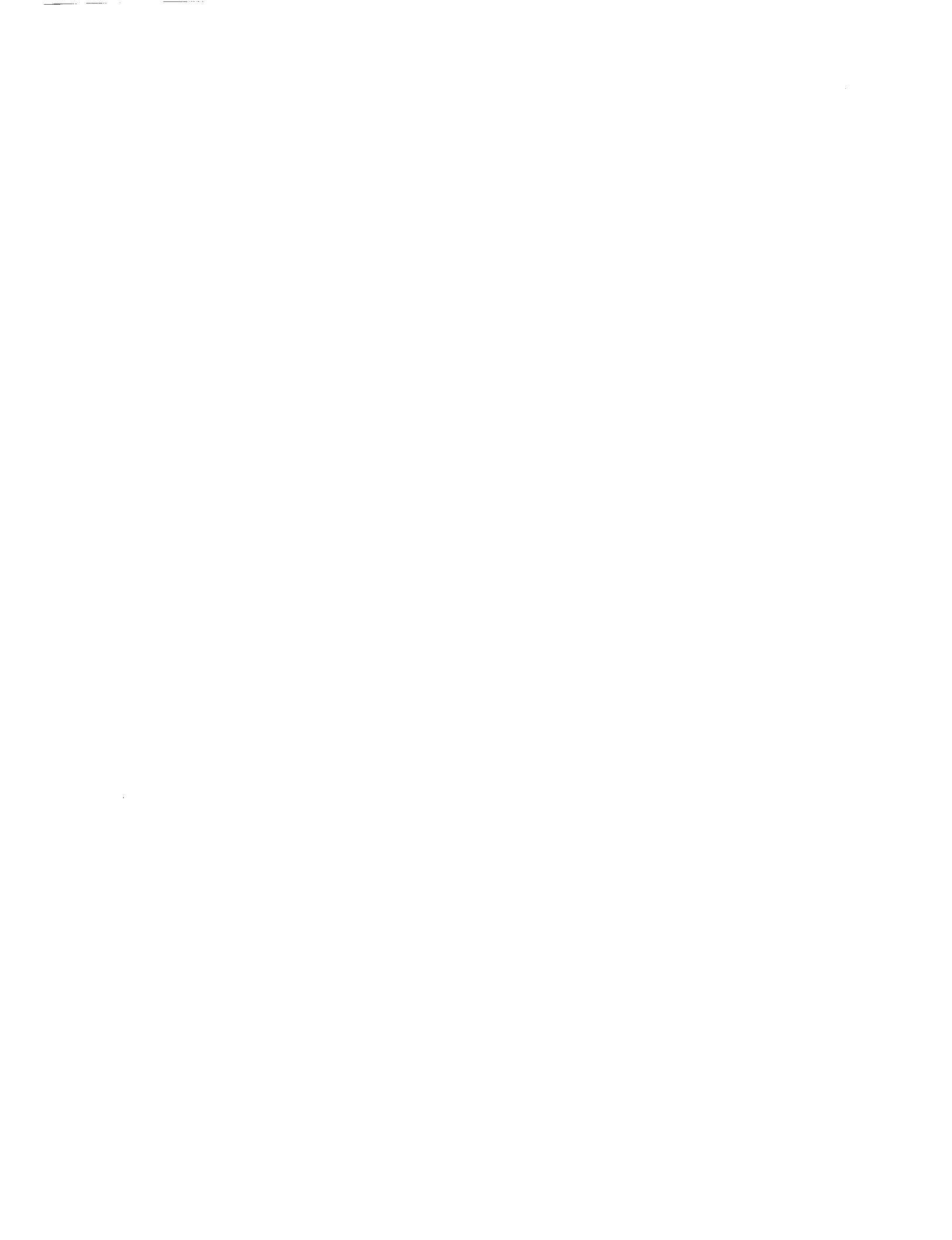Langley Field, Va.

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ADVANCE RESTRICTED REPORT

TABLES OF STIFFNESS AND CARRY-OVER FACTOR FOR FLAT
RECTANGULAR PLATES UNDER COMPRESSION

By W. D. Kroll

SUMMARY

Tables of stiffness and carry-over factor are presented for infinitely long flat plates subjected to a uniformly distributed longitudinal compressive load. The tables are intended for use in solving problems in the stability of structures composed of plates under compression.

INTRODUCTION

The method of moment distribution, originally developed by Hardy Cross (reference 1) as a convenient means of stress analysis, was extended (reference 2) to solve problems in the stability of bars under axial load. For efficient use of the method, tables of stiffness and carry-over factor for bars in tension and compression were prepared and published in reference 3.

The usefulness of the method of moment distribution in dealing with problems in the stability of bar structures suggested that the method be extended to apply to problems in the stability of plate structures. As structures made up of thin plates increase in complexity, rigorous application of the classical theory for the buckling of thin plates becomes more and more cumbersome, and a more practicable method of dealing with such problems becomes desirable. By suitable extensions of the definitions of quantities as used in reference 2 in the method of moment distribution, the entire group of formulas and relations associated with this method may be retained intact for direct application to plate structures. (See reference 4.)

In order to apply the method of moment distribution to problems in the stability of plate structures, it is necessary to know the stiffness and the carry-over factor of a plate under compression, for various conditions of edge support and restraint. Tables of these quantities have been prepared and are presented in this report.

SYMBOLS

E   modulus of elasticity

η nondimensional coefficient that takes into account reduction of modulus of elasticity for stresses above the elastic range. Within the elastic range, $\eta = 1$; above the elastic range, $\eta < 1$ (see reference 5).

μ Poisson's ratio

b   width of plate

t   thickness of plate

D   flexural stiffness of plate $\left[\dfrac{Et^3}{12(1 - \mu^2)} \right]$

$\overline{D}$ effective flexural stiffness for stresses above elastic range $\left[\dfrac{\eta Et^3}{12(1 - \mu^2)} \right]$

σ longitudinal compressive stress in plate

$k = \dfrac{b^2 t}{\pi^2 \overline{D}} \sigma$

λ half wave length of buckles in longitudinal direction

$\alpha = \pi \sqrt{\left(\dfrac{b}{\lambda} \right)^2 + \left(\dfrac{b}{\lambda} \right) \sqrt{k}}$

$\beta = \pi \sqrt{- \left(\dfrac{b}{\lambda} \right)^2 + \left(\dfrac{b}{\lambda} \right) \sqrt{k}}$

$$m = \left(\frac{\alpha}{2}\right)^2 - \mu\left(\frac{\pi b}{2\lambda}\right)^2$$

$$n = \left(\frac{\beta}{2}\right)^2 + \mu\left(\frac{\pi b}{2\lambda}\right)^2$$

The symbols used to designate the stiffness and carry-over factor for the different types of support and restraint at the far edge are given in the following table:

Stiffness	Carry-over factor	Conditions at far edge
S	C	Far edge supported and fixed against rotation
S^I	C^I	Far edge supported and elastically restrained against rotation
S^{II}	$C^{II} = 0$	Far edge supported with no restraint against rotation
S^{III}	$C^{III} = 0$	Far edge free (no support and no restraint against rotation)
S^{IV}	$C^{IV} = -1$	Far edge supported and subjected to sinusoidally distributed moment equal and opposite to moment applied at near edge

The quantities S^I, C^I, S^{II}, and C^{II} of this paper correspond to the quantities S', C', S'', and C'', respectively, in reference 2.

DEFINITIONS

Stiffness and carry-over factor.— The solution of the differential equation for the critical compressive stress of an infinitely long plate with given edge restraints reveals that, when the plate buckles, the moments and the rotations at both edges of the plate vary sinusoidally along the edges and are in phase with each other. The ratio of moment per unit length at any point along the edge to the rotation at that point is therefore constant along the edge for a given wave length.

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From these considerations, it is possible to write the following definitions of stiffness and carry-over factor:

Stiffness: If an infinitely long flat plate is under longitudinal compression, with one unloaded edge on an unyielding support, the ratio of moment per unit length at any point along this unloaded edge to the rotation in quarter-radians at that point when the moment is distributed sinusoidally is called the stiffness of the plate.

Carry-over factor: The ratio of the moment per unit length developed at any point along the far unloaded edge to the applied moment per unit length at the corresponding position along the near unloaded edge is called the carry-over factor of the plate.

The foregoing definitions make it possible to use for plates stiffnesses and carry-over factors exactly analogous to those used for bars (references 2 to 4). The particular definitions of stiffness and carry-over factor depend upon the conditions of support and the amount of restraint against rotation at the far edge.

Tables I and II do not give directly the values of stiffness, but of stiffness divided by a factor $\overline{D}/b$, to be defined presently. The actual stiffnesses are therefore obtained by multiplying the values in the tables by $\overline{D}/b$. The value of C is read directly from the tables.

Sign convention.— A clockwise moment acting on the edge of a plate is positive. A positive moment acting at a point along the edge of a plate produces positive rotation of the plate at that point.

TABLES

Formulas Used in Calculation

The quantities $S/(\overline{D}/b)$, $S^{II}/(\overline{D}/b)$, $S^{III}/(\overline{D}/b)$, $S^{IV}/(\overline{D}/b)$, and C are tabulated in table I against k for various values of the parameter λ/b, the ratio of the half wave length of the buckles to the width of the

plate. The quantity $S^{III}/(\overline{D}/b)$ is given only for values of λ/b greater than unity and for values of k that cover the range expected to be needed in the solution of practical problems. The quantity $S^{III}/(\overline{D}/b)$ for values of λ/b other than those in table I is given in table II. The stiffness S^{I} and carry-over factor C^{I} that apply when the far edge of the plate is elastically restrained are dependent on the restraint of the far edge and can be computed by the formulas given in reference 4. The formulas used in the calculation of the tables are

$$C = \frac{\left(\dfrac{\alpha}{2}\tanh\dfrac{\alpha}{2} + \dfrac{\beta}{2}\tan\dfrac{\beta}{2}\right) - \left(\dfrac{\alpha}{2}\coth\dfrac{\alpha}{2} - \dfrac{\beta}{2}\cot\dfrac{\beta}{2}\right)}{\left(\dfrac{\alpha}{2}\tanh\dfrac{\alpha}{2} + \dfrac{\beta}{2}\tan\dfrac{\beta}{2}\right) + \left(\dfrac{\alpha}{2}\coth\dfrac{\alpha}{2} - \dfrac{\beta}{2}\cot\dfrac{\beta}{2}\right)} \tag{1}$$

$$\frac{S^{II}}{\overline{D}/b} = \frac{\left(\dfrac{\alpha}{2}\right)^2 + \left(\dfrac{\beta}{2}\right)^2}{\dfrac{\alpha}{2}\tanh\dfrac{\alpha}{2} + \dfrac{\beta}{2}\tan\dfrac{\beta}{2} + \dfrac{\alpha}{2}\coth\dfrac{\alpha}{2} - \dfrac{\beta}{2}\cot\dfrac{\beta}{2}} \tag{2}$$

$$\frac{S}{\overline{D}/b} = \frac{\dfrac{S^{II}}{\overline{D}/b}}{1 - C^2} \tag{3}$$

$$\frac{S^{IV}}{\overline{D}/b} = \frac{\dfrac{S^{II}}{\overline{D}/b}}{1 + C} \tag{4}$$

$$\frac{S_{III}}{D/b} = \left[\left(\frac{\alpha}{2}\right)^2 + \left(\frac{\beta}{2}\right)^2\right] \frac{\dfrac{\beta}{2}m^2\left(1-\tan^2\frac{\beta}{2}\right)\tanh\frac{\alpha}{2} - \dfrac{\alpha}{2}n^2\left(1+\tanh^2\frac{\alpha}{2}\right)\tan\frac{\beta}{2}}{\dfrac{2mn}{\cos^2\frac{\alpha}{2}\cos^2\frac{\beta}{2}}\dfrac{\alpha}{2}\dfrac{\beta}{2} + \left(\frac{\alpha}{2}\right)\left(\frac{\beta}{2}\right)(m^2+n^2)\left(1+\tanh^2\frac{\alpha}{2}\right)\left(1-\tan^2\frac{\beta}{2}\right) + 4\left[m^2\left(\frac{\beta}{2}\right)^2 - n^2\left(\frac{\alpha}{2}\right)^2\right]\tanh\frac{\alpha}{2}\tan\frac{\beta}{2}}$$

(5)

The foregoing formulas are derived in the appendix of reference 4.

Accuracy

In order to obtain values accurate to the number of significant figures given in the tables, the computations were made by using either eight or ten significant figures. In certain instances the computations involved the use of rather small differences of large numbers, which reduced the accuracy of some of the final values to five significant figures. Equations (1), (2), and (3) were used in the form and order given to calculate the second, third, and fourth columns in table I. The fifth column was obtained by squaring the second column. The sixth column was obtained by squaring the fourth column and multiplying by the fifth column; the sixth column was therefore made to depend upon all preceding columns. All values were then tabulated to as many significant figures as were allowed by the computations and the differences for the sixth column were studied. An independent check was made for a series of values throughout the tables as well as for values where errors were suggested by irregular differences. After any necessary corrections were made, the values given in the seventh column were computed. Differences for this column were then studied and corrected where errors were noted by irregular differences. The values $S^{III}/(\overline{D}/b)$ given in table II were computed from equation (5) to the degree of accuracy previously mentioned and were independently checked for errors by the method of differences. Some of these values are also included in table I.

Langley Memorial Aeronautical Laboratory,
    National Advisory Committee for Aeronautics,
        Langley Field, Va.

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TABLE I.- Continued

$\lambda/b = 0.40$

k	c	$\dfrac{s^{II}}{\bar{D}/b}$	$\dfrac{s}{\bar{D}/b}$	c^2	$\dfrac{s^2 c^2}{(\bar{D}/b)^2}$	$\dfrac{s^{IV}}{\bar{D}/b}$
3.6	0.0247935	3.56999	3.57219	0.000614718	0.00784412	3.48362
3.7	.0259471	3.55682	3.55921	.000675254	.00852878	3.46686
3.8	.0271628	3.54336	3.54597	.000737816	.00927725	3.44966
3.9	.0284453	3.52960	3.53246	.000809134	.0100966	3.43198
4.0	.0297985	3.51554	3.51866	.000887952	.0109937	3.41381
4.1	.0312277	3.50114	3.50456	.000975170	.0119770	3.39512
4.2	.0327382	3.48640	3.49014	.00107179	.0130556	3.37588
4.3	.0343360	3.47129	3.47539	.00117896	.0142398	3.35606
4.4	.0360274	3.45579	3.46028	.00129797	.0155413	3.33562
4.5	.0378195	3.43988	3.44481	.00143032	.0169731	3.31453
4.6	.0397201	3.42353	3.42894	.00157768	.0185498	3.29274
4.7	.0417375	3.40672	3.41266	.00174202	.0202880	3.27023
4.8	.0438813	3.38941	3.39595	.00192556	.0222065	3.24693
4.9	.0461616	3.37157	3.37877	.00213089	.0243264	3.22280
5.0	.0485903	3.35316	3.36110	.00236102	.0266724	3.19778
5.1	.0511787	3.33415	3.34290	.00261926	.0292703	3.17182
5.2	.0539423	3.31448	3.32415	.00290977	.0321530	3.14484
5.3	.0568962	3.29411	3.30481	.00323718	.0353557	3.11678
5.4	.0600579	3.27299	3.28483	.00360695	.0389195	3.08755
5.5	.0634471	3.25104	3.26418	.00402554	.0428916	3.05708
5.6	.0670858	3.22820	3.24280	.00450051	.0473261	3.02525
5.7	.0709990	3.20440	3.22063	.00504085	.0522861	2.99197
5.8	.0752147	3.17954	3.19763	.00565725	.0578443	2.95712
5.9	.0797651	3.15352	3.17371	.00636247	.0640856	2.92056
6.0	.0846868	3.12623	3.14881	.00717185	.0711089	2.88215
6.1	.0900216	3.09753	3.12284	.00810389	.0790303	2.84172
6.2	.0958180	3.06729	3.09571	.00918108	.0879864	2.79909
6.3	.102132	3.03533	3.06732	.0104309	.0981385	2.75405
6.4	.109028	3.00144	3.03754	.0118871	.109678	2.70637
6.5	.116583	2.96539	3.00624	.0135915	.128834	2.65577
6.6	.124886	2.92690	2.97327	.0155965	.137879	2.60195
6.7	.134044	2.88565	2.93845	.0179678	.155143	2.54457
6.8	.144184	2.84126	2.90158	.0207891	.175026	2.48322
6.9	.155460	2.79324	2.86242	.0241677	.198017	2.41743
7.0	.168057	2.74103	2.82070	.0282432	.224712	2.34666

TABLE I.- VALUES OF STIFFNESS AND CARRY-OVER FACTOR

$\lambda/b = 0.40$

k	c	$\dfrac{s^{II}}{\bar{D}/b}$	$\dfrac{s}{\bar{D}/b}$	c^2	$\dfrac{s^2 c^2}{(\bar{D}/b)^2}$	$\dfrac{s^{IV}}{\bar{D}/b}$
0	0.00532153	3.92701	3.92712	0.0000283187	0.000436739	3.90622
.1	.00555244	3.91912	3.91924	.0000308296	.000473557	3.89748
.2	.00579281	3.91115	3.91128	.0000335566	.000513352	3.88862
.3	.00604298	3.90309	3.90324	.0000365176	.000556355	3.87965
.4	.00630344	3.89496	3.89511	.0000397333	.000602830	3.87056
.5	.00657465	3.88673	3.88690	.0000432260	.000653059	3.86135
.6	.00685711	3.87842	3.87860	.0000470199	.000707347	3.85201
.7	.00715134	3.87002	3.87022	.0000511417	.000766029	3.84264
.8	.00745790	3.86152	3.86173	.0000556203	.000829465	3.83293
.9	.00777737	3.85293	3.85316	.0000604875	.000898048	3.82319
1.0	.00811037	3.84423	3.84448	.0000657781	.000972205	3.81330
1.1	.00845755	3.83544	3.83571	.0000715302	.00105240	3.80327
1.2	.00881961	3.82654	3.82683	.0000777856	.00113914	3.79308
1.3	.00919727	3.81753	3.81785	.0000845998	.00123298	3.78274
1.4	.00959131	3.80841	3.80876	.0000919932	.00133451	3.77222
1.5	.0100025	3.79917	3.79955	.000100051	.00144439	3.76154
1.6	.0104318	3.78982	3.79023	.000108823	.00156334	3.75069
1.7	.0108801	3.78034	3.78079	.000118377	.00169212	3.73965
1.8	.0113484	3.77073	3.77122	.000128787	.00183162	3.72842
1.9	.0118376	3.76100	3.76153	.000140129	.00198271	3.71700
2.0	.0123490	3.75113	3.75170	.000152498	.00214645	3.70537
2.1	.0128837	3.74112	3.74174	.000165989	.00232394	3.69353
2.2	.0134428	3.73097	3.73164	.000180710	.00251641	3.68148
2.3	.0140279	3.72066	3.72139	.000196782	.00272519	3.66919
2.4	.0146403	3.71020	3.71099	.000214337	.00295174	3.65666
2.5	.0152814	3.69958	3.70044	.000233522	.00319767	3.64389
2.6	.0159530	3.68879	3.68973	.000254497	.00346474	3.63086
2.7	.0166568	3.67782	3.67884	.000277448	.00375494	3.61757
2.8	.0173945	3.66668	3.66779	.000302570	.00407037	3.60399
2.9	.0181683	3.65534	3.65655	.000330087	.00441339	3.59012
3.0	.0189802	3.64381	3.64513	.000360249	.00478661	3.57594
3.1	.0198326	3.63208	3.63351	.000393331	.00519289	3.56144
3.2	.0207278	3.62013	3.62168	.000429641	.00563543	3.54661
3.3	.0216685	3.60795	3.60965	.000469525	.00611771	3.53143
3.4	.0226570	3.59555	3.59739	.000513342	.00664328	3.51589
3.5	.0236982	3.58290	3.58491	.000561604	.00721751	3.49995

TABLE I.- Continued

$\lambda/b = 0.42$

k	c	$\dfrac{S^{II}}{D/b}$	$\dfrac{S}{D/b}$	c^2	$\dfrac{S^2c^2}{(D/b)^2}$	$\dfrac{S^{IV}}{D/b}$
3.6	0.0347493	3.35347	3.35752	0.00120752	0.0136123	3.24085
3.7	.0364251	3.33858	3.34301	.00132679	.0148279	3.22124
3.8	.0381975	3.32331	3.32817	.00145905	.0161614	3.20104
3.9	.0400735	3.30764	3.31296	.00160588	.0176256	3.18020
4.0	.0420609	3.29154	3.29757	.00176912	.0192350	3.15868
4.1	.0441683	3.27498	3.28138	.00195084	.0210056	3.13645
4.2	.0464052	3.25794	3.26497	.00215345	.0229958	3.11346
4.3	.0487820	3.24038	3.24811	.00237968	.0251061	3.08966
4.4	.0513100	3.22227	3.23078	.00263271	.0274800	3.06501
4.5	.0540019	3.20357	3.21294	.00291621	.0301040	3.03943
4.6	.0568720	3.18423	3.19456	.00323442	.0330080	3.01288
4.7	.0599357	3.16421	3.17562	.00359229	.0362266	2.98529
4.8	.0632105	3.14346	3.15607	.00399557	.0397989	2.95657
4.9	.0667161	3.12190	3.13586	.00445103	.0437698	2.92665
5.0	.0704742	3.09949	3.11496	.00496661	.0481910	2.89544
5.1	.0745096	3.07604	3.09331	.00555168	.0551218	2.86283
5.2	.0788502	3.05177	3.07086	.00621735	.0586308	2.82872
5.3	.0835274	3.02628	3.04755	.00697683	.0647976	2.79299
5.4	.0885774	2.99958	3.02330	.00784595	.0717146	2.75550
5.5	.0940411	2.97152	2.99804	.00884373	.0794895	2.71610
5.6	.0999658	2.94198	2.97168	.00999317	.0882486	2.67461
5.7	.106406	2.91080	2.94113	.0113222	.0981102	2.63086
5.8	.113425	2.87778	2.91528	.0128652	.109235	2.58462
5.9	.121096	2.84270	2.88501	.0146661	.122054	2.53565
6.0	.129505	2.80532	2.85318	.0167715	.136531	2.48368
6.1	.138755	2.76534	2.81962	.0192529	.153066	2.42879
6.2	.148967	2.72239	2.78417	.0221911	.172016	2.36942
6.3	.160286	2.67604	2.74461	.0256915	.193813	2.30637
6.4	.172887	2.62580	2.70670	.0298900	.218980	2.23875
6.5	.186986	2.57101	2.66416	.0349637	.248164	2.16600
6.6	.202846	2.51092	2.61867	.0411465	.282159	2.08748
6.7	.220797	2.44456	2.56984	.0487511	.321957	2.00243
6.8	.241254	2.37071	2.51723	.0582034	.368802	1.90994
6.9	.264751	2.28783	2.46027	.0700931	.421270	1.80891
7.0	.291982	2.19387	2.39833	.0852538	.490380	1.69806

TABLE I.- Continued

$\lambda/b = 0.42$

k	c	$\dfrac{S^{II}}{D/b}$	$\dfrac{S}{D/b}$	c^2	$\dfrac{S^2c^2}{(D/b)^2}$	$\dfrac{S^{IV}}{D/b}$
0	0.00711305	3.74002	3.74022	0.0000505807	0.000748156	3.71287
.1	.00763924	3.73174	3.73196	.0000582052	.000810653	3.70348
.2	.00795890	3.72336	3.72359	.0000633393	.000872209	3.69396
.3	.00830166	3.71488	3.71514	.0000689176	.000951219	3.68430
.4	.00865907	3.70631	3.70659	.0000749795	.00103013	3.67449
.5	.00903151	3.69764	3.69794	.0000815681	.00111542	3.66454
.6	.00941968	3.68886	3.68919	.0000887305	.00120763	3.65444
.7	.00982429	3.67998	3.68033	.0000965186	.00130733	3.64417
.8	.0102464	3.67098	3.67137	.000104989	.00141514	3.63375
.9	.0106866	3.66187	3.66229	.000114203	.00153174	3.62315
1.0	.0111459	3.65265	3.65310	.000124230	.00165787	3.61239
1.1	.0116251	3.64330	3.64379	.000135144	.00179434	3.60144
1.2	.0121255	3.63383	3.63437	.000147028	.00191204	3.59050
1.3	.0126480	3.62423	3.62481	.000159972	.00210191	3.57896
1.4	.0131938	3.61450	3.61513	.000174076	.00227502	3.56743
1.5	.0137641	3.60462	3.60531	.000189449	.00246251	3.55568
1.6	.0143601	3.59461	3.59535	.000206214	.00266563	3.54372
1.7	.0148834	3.58445	3.58525	.000224502	.00288576	3.53153
1.8	.0156355	3.57413	3.57500	.000244463	.00312440	3.51911
1.9	.0163175	3.56365	3.56460	.000266259	.00338319	3.50644
2.0	.0170315	3.55301	3.55404	.000290072	.00366396	3.49351
2.1	.0177792	3.54220	3.54332	.000316101	.00396868	3.48032
2.2	.0185625	3.53121	3.53242	.000344568	.00429952	3.46685
2.3	.0193835	3.52003	3.52135	.000375721	.00465891	3.45310
2.4	.0202444	3.50866	3.51010	.000409834	.00504947	3.43904
2.5	.0211474	3.49708	3.49865	.000447412	.00547412	3.42466
2.6	.0220951	3.48530	3.48700	.000488195	.00593605	3.40996
2.7	.0230904	3.47330	3.47515	.000533165	.00643885	3.39491
2.8	.0241359	3.46106	3.46308	.000582541	.00698637	3.37950
2.9	.0252349	3.44852	3.45079	.000636802	.00758300	3.36371
3.0	.0263909	3.43566	3.43826	.000696480	.00823352	3.34752
3.1	.0276074	3.42287	3.42548	.000762170	.00894326	3.33092
3.2	.0288885	3.40961	3.41245	.000834544	.00971813	3.31387
3.3	.0302385	3.39605	3.39916	.000914357	.0105647	3.29637
3.4	.0316617	3.38218	3.38558	.00100246	.0114903	3.27838
3.5	.0331635	3.36800	3.37170	.00109982	.0125031	3.25989

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TABLE I.- Continued

$\frac{\lambda}{b} = 0.44$

k	$\frac{s}{D/b}$	$\frac{s^{II}}{D/b}$	c	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
3.6	3.15851	3.15148	0.0471735	0.00222534	0.0222005	3.09951
3.7	3.14230	3.14459	.0495334	.00245356	.0242266	2.98666
3.8	3.12566	3.11719	.0520386	.00270801	.0264566	2.96300
3.9	3.10855	3.09925	.0547007	.00299217	.0289135	2.93851
4.0	3.09094	3.08071	.0575328	.00331003	.0316238	2.91311
4.1	3.07282	3.06155	.0605493	.00366622	.0346172	2.88676
4.2	3.05413	3.04171	.0637662	.00406613	.0379277	2.85938
4.3	3.03486	3.02115	.0672012	.00451600	.0415940	2.83091
4.4	3.01495	2.99980	.0708742	.00502315	.0456600	2.80126
4.5	2.99436	2.97760	.0748075	.00559617	.0501763	2.77036
4.6	2.97305	2.95448	.0790262	.00624514	.0552009	2.73810
4.7	2.95096	2.93036	.0835584	.00698201	.0608005	2.70438
4.8	2.92803	2.90513	.0884362	.00782096	.0670520	2.66909
4.9	2.90421	2.87871	.0936797	.00877889	.0740448	2.63209
5.0	2.87940	2.85097	.0993786	.00987610	.0818824	2.59325
5.1	2.85355	2.82177	.105532	.0111370	.0906858	2.55241
5.2	2.82655	2.79096	.112211	.0125913	.100596	2.50938
5.3	2.79830	2.75835	.119478	.0142750	.111781	2.46396
5.4	2.76869	2.72375	.127407	.0162327	.124434	2.41594
5.5	2.73760	2.68690	.136085	.0185190	.138790	2.36505
5.6	2.70487	2.64752	.145611	.0212026	.155125	2.31101
5.7	2.67034	2.60527	.156107	.0243693	.173770	2.25348
5.8	2.63382	2.55973	.167715	.0281282	.195125	2.19209
5.9	2.59509	2.51044	.180607	.0326190	.219672	2.12640
6.0	2.55389	2.45679	.194995	.0380229	.248000	2.05590
6.1	2.50994	2.39805	.211174	.0457774	.280829	1.98001
6.2	2.46288	2.33334	.229243	.0525982	.319050	1.89804
6.3	2.41232	2.26152	.250023	.0625117	.363774	1.80918
6.4	2.35777	2.18116	.273685	.0749034	.416392	1.71248
6.5	2.29865	2.09041	.300986	.0905927	.478674	1.60679
6.6	2.23428	1.98683	.332795	.110753	.552879	1.49072
6.7	2.16381	1.86714	.370277	.137105	.641940	1.36260
6.8	2.08622	1.72686	.415034	.172254	.749699	1.22057
6.9	2.00021	1.55962	.469332	.220273	.881272	1.06145
7.0	1.90417	1.35612	.536482	.287812	1.04357	.882617

TABLE I.- Continued

$\frac{\lambda}{b} = 0.44$

k	$\frac{s}{D/b}$	$\frac{s^{II}}{D/b}$	c	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
0	3.57039	3.57005	0.00973525	0.0000947751	0.00120816	3.53563
.1	3.56174	3.56137	.0101546	.000103117	.00130814	3.52557
.2	3.55298	3.55268	.0105916	.000112182	.00141614	3.51535
.3	3.54412	3.54368	.0110470	.000122036	.00153286	3.50497
.4	3.53514	3.53467	.0115217	.000132750	.00165901	3.49441
.5	3.52606	3.52555	.0120168	.000144404	.00179538	3.48368
.6	3.51685	3.51630	.0125332	.000157081	.00194282	3.47278
.7	3.50753	3.50693	.0130720	.000170877	.00210225	3.46168
.8	3.49808	3.49743	.0136343	.000185894	.00227470	3.45039
.9	3.48850	3.48780	.0142213	.000202246	.00246126	3.43889
1.0	3.47879	3.47803	.0148343	.000220058	.00266314	3.42719
1.1	3.46894	3.46811	.0154748	.000239468	.00288166	3.41526
1.2	3.45896	3.45805	.0161440	.000260628	.00311825	3.40311
1.3	3.44882	3.44784	.0168436	.000283706	.00337450	3.39073
1.4	3.43853	3.43747	.0175751	.000308866	.00365211	3.37810
1.5	3.42809	3.42694	.0183405	.000336373	.00395299	3.36522
1.6	3.41748	3.41623	.0191414	.000366394	.00427919	3.35207
1.7	3.40671	3.40535	.0199800	.000399201	.00463299	3.33864
1.8	3.39576	3.39428	.0208583	.000435070	.00501687	3.32493
1.9	3.38462	3.38302	.0217787	.000474313	.00543357	3.31091
2.0	3.37330	3.37156	.0227436	.000517272	.00588612	3.29658
2.1	3.36178	3.35989	.0237556	.000564329	.00637781	3.28192
2.2	3.35006	3.34800	.0248176	.000615912	.00691232	3.26692
2.3	3.33812	3.33588	.0259325	.000672497	.00749367	3.25156
2.4	3.32596	3.32352	.0271038	.000734614	.00812663	3.23582
2.5	3.31357	3.31091	.0283348	.000802859	.00881521	3.21969
2.6	3.30094	3.29804	.0296293	.000877898	.00956677	3.20314
2.7	3.28806	3.28490	.0309916	.000960480	.0103841	3.18616
2.8	3.27491	3.27147	.0324260	.00105145	.0112768	3.16872
2.9	3.26148	3.25773	.0339374	.00115177	.0122514	3.15080
3.0	3.24777	3.24367	.0355309	.00126244	.0133163	3.13237
3.1	3.23375	3.22927	.0372123	.00138475	.0144805	3.11341
3.2	3.21941	3.21452	.0389876	.00152003	.0157545	3.09389
3.3	3.20473	3.19938	.0408637	.00166984	.0171498	3.07378
3.4	3.18971	3.18385	.0428479	.00183595	.0186793	3.05303
3.5	3.17431	3.16789	.0449485	.00202055	.0203574	3.03163

TABLE I.- Continued

$\frac{\lambda}{b} = 0.46$

k	c	$\frac{s^{II}}{b/2}$	$\frac{s}{b/2}$	c^2	$\frac{s^2 c^2}{(b/2)^2}$	$\frac{s^{IV}}{b/2}$
0	0.0126079	3.41488	3.41542	0.000158960	0.00185428	3.37236
.1	.0131484	3.40580	3.40639	.000172881	.00200603	3.36160
.2	.0137120	3.39661	3.39725	.000188018	.00216297	3.35066
.3	.0142996	3.38729	3.38798	.000204479	.00234710	3.33955
.4	.0149127	3.37784	3.37859	.000222388	.00253853	3.32820
.5	.0155524	3.36825	3.36907	.000241876	.00274545	3.31667
.6	.0162201	3.35853	3.35942	.000263091	.00296916	3.30493
.7	.0169173	3.34867	3.34963	.000286195	.00321110	3.29296
.8	.0176455	3.33865	3.33969	.000311364	.00347282	3.28076
.9	.0184064	3.32849	3.32962	.000338795	.00375600	3.26833
1.0	.0192017	3.31816	3.31939	.000368705	.00406251	3.25565
1.1	.0200333	3.30767	3.30899	.000401332	.00439437	3.24270
1.2	.0209032	3.29701	3.29845	.000436942	.00475382	3.22950
1.3	.0218134	3.28616	3.28773	.000475826	.00514327	3.21601
1.4	.0227664	3.27513	3.27683	.000518309	.00555540	3.20223
1.5	.0237645	3.26391	3.26575	.000564752	.00602315	3.18811
1.6	.0248103	3.25248	3.25448	.000615553	.00651973	3.17174
1.7	.0259067	3.24084	3.24302	.000671158	.00705869	3.15900
1.8	.0270566	3.22898	3.23135	.000732062	.00764391	3.14392
1.9	.0282633	3.21689	3.21947	.000798817	.00827971	3.12847
2.0	.0295303	3.20456	3.20736	.000872097	.00897079	3.11265
2.1	.0308612	3.19198	3.19502	.000952114	.00972214	3.09642
2.2	.0322602	3.17913	3.18244	.00104072	.0105404	3.07978
2.3	.0337316	3.16601	3.16961	.00113782	.0114310	3.06270
2.4	.0352800	3.15259	3.15651	.00124468	.0124015	3.04515
2.5	.0369107	3.13886	3.14314	.00136240	.0134596	3.02712
2.6	.0386292	3.12481	3.12948	.00149221	.0146142	3.00859
2.7	.0404414	3.11041	3.11551	.00163551	.0158749	2.98951
2.8	.0423540	3.09566	3.10122	.00179386	.0172526	2.96987
2.9	.0443740	3.08052	3.08660	.00196905	.0187593	2.94963
3.0	.0465093	3.06497	3.07162	.00216311	.0204086	2.92876
3.1	.0487683	3.04900	3.05627	.00237835	.0222156	2.90722
3.2	.0511604	3.03257	3.04053	.00261739	.0241973	2.88497
3.3	.0536959	3.01565	3.02437	.00288325	.0263726	2.86198
3.4	.0563860	2.99822	3.00778	.00317938	.0287630	2.83818
3.5	.0592430	2.98023	2.99072	.00350974	.0313926	2.81354

TABLE I.- Continued

$\frac{\lambda}{b} = 0.46$

k	c	$\frac{s^{II}}{b/2}$	$\frac{s}{b/2}$	c^2	$\frac{s^2 c^2}{(b/2)^2}$	$\frac{s^{IV}}{b/2}$
3.6	0.0622808	2.96164	2.97718	0.00387890	0.0344286	2.78800
3.7	.0655246	2.94242	2.95511	.00429216	.0374820	2.76150
3.8	.0689612	2.92252	2.93648	.00475565	.0410076	2.75398
3.9	.0726394	2.90188	2.91727	.00527649	.0449053	2.70536
4.0	.0765703	2.88044	2.89742	.00586301	.0492203	2.67557
4.1	.0807772	2.85814	2.87691	.00652496	.0540045	2.64452
4.2	.0852867	2.83490	2.85567	.00727382	.0593170	2.61212
4.3	.0901285	2.81064	2.83366	.00812315	.0652259	2.57827
4.4	.0953362	2.78527	2.81082	.00908900	.0718096	2.54285
4.5	.100948	2.75869	2.78709	.0101905	.0791587	2.50574
4.6	.107008	2.73076	2.76239	.0114507	.0873782	2.46679
4.7	.113565	2.70136	2.73665	.0128971	.0965900	2.42586
4.8	.120678	2.67032	2.70978	.0145632	.106937	2.38277
4.9	.128612	2.63746	2.68168	.0164897	.118585	2.33732
5.0	.136845	2.60258	2.65225	.0187267	.131731	2.28930
5.1	.146067	2.56542	2.62135	.0213357	.146607	2.23845
5.2	.156185	2.52569	2.58884	.0243936	.164488	2.18450
5.3	.167323	2.48305	2.55457	.0279969	.182703	2.12713
5.4	.179632	2.43709	2.51835	.0322676	.204644	2.06597
5.5	.193293	2.38731	2.47997	.0373621	.229786	2.00061
5.6	.208524	2.33313	2.43919	.0434823	.258705	1.93056
5.7	.225595	2.27381	2.39573	.0508929	.292102	1.85527
5.8	.244837	2.20844	2.34927	.0599452	.330842	1.77408
5.9	.266669	2.13590	2.29941	.0711122	.375292	1.68623
6.0	.291620	2.05473	2.24571	.0850424	.428889	1.59082
6.1	.320376	1.96309	2.18763	.102641	.491214	1.48677
6.2	.353836	1.85854	2.12453	.125200	.565106	1.37279
6.3	.393207	1.73779	2.05562	.154611	.653719	1.24733
6.4	.440141	1.59638	1.97994	.193724	.759443	1.10849
6.5	.496971	1.42798	1.89634	.246980	.888168	.953914
6.6	.567095	1.22339	1.80334	.321596	1.04584	.780674
6.7	.655658	.968663	1.69908	.429888	1.24102	.585062
6.8	.770855	.644615	1.58118	.594217	1.48562	.362320
6.9	.926562	.204659	1.44654	.858518	1.79642	.106230
7.0	1.14832	-.113355	1.29101	1.31863	2.19777	-.191478

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TABLE I.- Continued

$\lambda/b = 0.48$

k	c	$\dfrac{s^{II}}{\overline{D}b}$	$\dfrac{s}{\overline{D}b}$	c^2	$\dfrac{s^2 c^2}{(\overline{D}b)^2}$	$\dfrac{s^{IV}}{\overline{D}b}$
0	0.0159406	3.27266	3.27349	0.000251102	0.00272289	3.22131
.1	.016203	3.26319	3.26409	.000276235	.00294309	3.20984
.2	.0173295	3.25359	3.25457	.000300306	.00318091	3.19817
.3	.0180692	3.24385	3.24491	.000326495	.00343780	3.18628
.4	.018814	3.23396	3.23511	.000354998	.00371558	3.17416
.5	.0196477	3.22392	3.22516	.000386031	.00401538	3.16180
.6	.0204899	3.21372	3.21507	.000419834	.00433969	3.14920
.7	.0213698	3.20376	3.20482	.000456670	.00469041	3.13634
.8	.0222897	3.19283	3.19441	.000496829	.00506979	3.12321
.9	.0232515	3.18212	3.18384	.000540634	.00548032	3.10981
1.0	.0242578	3.17123	3.17309	.000588439	.00592471	3.09612
1.1	.0253109	3.16014	3.16217	.000640639	.00640595	3.08213
1.2	.0264135	3.14886	3.15106	.000697672	.00692729	3.06782
1.3	.0275685	3.13736	3.13975	.000760022	.00749252	3.05319
1.4	.0287790	3.12565	3.12824	.000828229	.00810498	3.03822
1.5	.0300482	3.11372	3.11653	.000902894	.00876959	3.02288
1.6	.0313797	3.10154	3.10460	.000984687	.00949093	3.00718
1.7	.0327773	3.08912	3.09244	.00107435	.0102742	2.99108
1.8	.0342452	3.07643	3.08004	.00117273	.0111253	2.97457
1.9	.0357877	3.06347	3.06740	.00128076	.0120506	2.95762
2.0	.0374096	3.05022	3.05450	.00139948	.0130571	2.94023
2.1	.0391161	3.03667	3.04133	.00153007	.0141726	2.92236
2.2	.0409128	3.02280	3.02787	.00167386	.0153460	2.90399
2.3	.0428059	3.00860	3.01412	.00183234	.0166467	2.88510
2.4	.0448018	2.99404	3.00006	.00200720	.0180655	2.86565
2.5	.0469079	2.97910	2.98567	.00220035	.0196144	2.84562
2.6	.0491318	2.96377	2.97094	.00241394	.0213066	2.82497
2.7	.0514824	2.94801	2.95585	.00265043	.0231569	2.80367
2.8	.0539687	2.93181	2.94037	.00291263	.0251820	2.78169
2.9	.0566013	2.91513	2.92450	.00320371	.0274003	2.75897
3.0	.0593913	2.89794	2.90820	.00352732	.0298328	2.73548
3.1	.0623511	2.88022	2.89146	.00388766	.0325029	2.71117
3.2	.0654945	2.86191	2.87424	.00428953	.0354265	2.68599
3.3	.0688367	2.84298	2.85651	.00473849	.0386645	2.65988
3.4	.0723943	2.82338	2.83826	.00524093	.0422194	2.63278
3.5	.0761861	2.80307	2.81943	.00580432	.0461398	2.60463
3.6	0.0802329	2.78198	2.80001	0.00643731	0.0504688	2.57535
3.7	.0845579	2.76006	2.77993	.00715003	.0552557	2.54487
3.8	.0891871	2.73722	2.75917	.00795434	.0605566	2.51309
3.9	.0941199	2.71341	2.73767	.00886421	.0664360	2.47992
4.0	.0994794	2.68851	2.71538	.00989615	.0729674	2.44526
4.1	.105213	2.66244	2.69225	.0110698	.0802357	2.40899
4.2	.111393	2.63509	2.66819	.0124084	.0883388	2.37097
4.3	.118069	2.60631	2.64315	.0139402	.0973900	2.33108
4.4	.125295	2.57596	2.61705	.0156989	.107521	2.28914
4.5	.133137	2.54388	2.58978	.0177255	.118885	2.24499
4.6	.141669	2.50986	2.56126	.0200701	.131661	2.19841
4.7	.150977	2.47367	2.53137	.0227941	.146061	2.14919
4.8	.161163	2.43505	2.49998	.0259735	.162352	2.09708
4.9	.172347	2.39368	2.46695	.0297035	.180771	2.04178
5.0	.184671	2.34918	2.43212	.0341032	.201727	1.98298
5.1	.198304	2.30110	2.39530	.0393245	.225622	1.92030
5.2	.213453	2.24891	2.35627	.0455622	.252961	1.85331
5.3	.230367	2.19194	2.31479	.0530690	.284356	1.78154
5.4	.249354	2.12939	2.27057	.0621772	.320555	1.70440
5.5	.270795	2.06026	2.22329	.0733301	.362472	1.62123
5.6	.295174	1.98326	2.17255	.0871276	.411241	1.53127
5.7	.323105	1.89680	2.11790	.104397	.468272	1.43360
5.8	.355389	1.79876	2.05879	.126301	.535341	1.32712
5.9	.393082	1.68638	1.99457	.154513	.614699	1.21094
6.0	.437613	1.55591	1.92445	.191505	.709236	1.08228
6.1	.490958	1.40215	1.84747	.241040	.822703	.940439
6.2	.555936	1.21774	1.76245	.309065	.960030	.782641
6.3	.636704	.991761	1.66793	.405392	1.12779	.605950
6.4	.739664	.707440	1.56203	.547103	1.33490	.406653
6.5	.875211	.337528	1.44239	.765993	1.59364	.179995
6.6	1.06142	-.165353	1.30590	1.12662	1.92132	-.0802131
6.7	1.33277	-.891539	1.14847	1.77628	2.34290	-.382180
6.8	1.76414	-2.03726	.964527	3.11219	2.89531	-.737033
6.9	2.55458	-4.12415	.746335	6.52587	3.63501	-1.16024
7.0	4.46700	-9.15143	.482820	19.9541	4.65162	-1.67394

TABLE I.- Continued

$\hat{\beta} = 0.50$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.101128	2.61092	2.63789	0.0102268	0.0711632	2.37113
3.7	.106787	2.58588	2.61571	.0114054	.0780213	2.33638
3.8	.112871	2.55965	2.59268	.0127398	.0856371	2.30004
3.9	.119425	2.53212	2.56875	.0142623	.0941093	2.26198
4.0	.126499	2.50314	2.54385	.0160020	.103552	2.22206
4.1	.134152	2.47259	2.51790	.0179968	.114096	2.18012
4.2	.142451	2.44026	2.49080	.0202923	.125896	2.13599
4.3	.151473	2.40598	2.46248	.0229442	.139129	2.08940
4.4	.161309	2.36951	2.43281	.0260207	.154006	2.04038
4.5	.172065	2.33057	2.40168	.0296064	.170771	1.98843
4.6	.183865	2.28885	2.36894	.0338063	.189716	1.93337
4.7	.196857	2.24397	2.33444	.0387526	.211186	1.87489
4.8	.211217	2.19548	2.29800	.0446611	.235590	1.81262
4.9	.227159	2.14283	2.25942	.0516011	.263422	1.74617
5.0	.244941	2.08536	2.21846	.0599961	.295275	1.67507
5.1	.264882	2.02227	2.17486	.0701625	.331869	1.59878
5.2	.287377	1.95253	2.12830	.0825854	.374084	1.51668
5.3	.312923	1.87490	2.07842	.0979205	.423000	1.42804
5.4	.342153	1.78775	2.02479	.117069	.479956	1.33200
5.5	.375891	1.68899	1.96690	.141294	.546625	1.22756
5.6	.415220	1.57586	1.90415	.172407	.625115	1.11351
5.7	.461600	1.44466	1.83582	.213074	.718112	.988408
5.8	.517046	1.29243	1.76103	.267337	.829072	.850497
5.9	.584420	1.10535	1.67871	.341547	.962499	.697636
6.0	.667926	.879290	1.58752	.446125	1.12434	.527176
6.1	.773997	.595707	1.48582	.599072	1.32255	.335799
6.2	.913013	.228227	1.37150	.835593	1.56799	-.119302
6.3	1.10286	-.268598	1.24184	1.21621	1.87573	-.127730
6.4	1.37719	-.980529	1.09331	1.89666	2.26714	-.412389
6.5	1.80785	-2.08944	.921170	3.26825	2.77328	-.744148
6.6	2.58004	-4.06675	.718938	6.65660	3.44061	-1.15595
6.7	4.36305	-8.61286	.477533	19.0362	4.34096	-1.60596
6.8	12.8640	-30.2305	.183793	165.481	5.58994	-2.18051
6.9	-14.9213	40.3610	-.182097	222.646	7.38277	-2.89922
7.0	-4.87128	14.8063	-.651416	23.7294	10.0694	-3.82465

TABLE I.- Continued

$\hat{\beta} = 0.50$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.019734	3.1418	3.1431	0.00038943	0.00038472	3.0810
.1	.0205703	3.13200	3.13332	.000423139	.00415426	3.06887
.2	.0214432	3.12200	3.12343	.000459812	.00448585	3.05645
.3	.0225545	3.11183	3.11339	.000499724	.00484392	3.04379
.4	.0233062	3.10151	3.10319	.000543178	.00523069	3.03087
.5	.0243004	3.09101	3.09283	.000590511	.00564861	3.01768
.6	.0253396	3.08033	3.08231	.000642095	.00610031	3.00421
.7	.0264261	3.06947	3.07161	.000698339	.00658870	2.99044
.8	.0275626	3.05841	3.06074	.000759698	.00711695	2.97638
.9	.0287520	3.04716	3.04968	.000826676	.00768853	2.96199
1.0	.0299972	3.03569	3.03842	.000899831	.00830726	2.94728
1.1	.0313015	3.02400	3.02697	.000979784	.00897731	2.93222
1.2	.0326684	3.01209	3.01530	.00106722	.00970327	2.91680
1.3	.0341016	2.99993	3.00342	.00116292	.0104902	2.90100
1.4	.0356052	2.98752	2.99131	.00126773	.0113436	2.88481
1.5	.0371835	2.97484	2.97897	.00138261	.0122697	2.86820
1.6	.0388412	2.96190	2.96637	.00150864	.0132751	2.85116
1.7	.0405833	2.94866	2.95352	.00164700	.0143673	2.83366
1.8	.0424152	2.93511	2.94040	.00179905	.0155545	2.81568
1.9	.0443430	2.92124	2.92700	.00196630	.0168459	2.79721
2.0	.0463730	2.90703	2.91330	.00215046	.0182516	2.77820
2.1	.0485122	2.89246	2.89929	.00235343	.019783	2.75864
2.2	.0507681	2.87751	2.88495	.00257740	.021452	2.73849
2.3	.0531491	2.86216	2.87027	.00282483	.023272	2.71772
2.4	.0556642	2.84639	2.85523	.00309850	.025260	2.69630
2.5	.0583231	2.83015	2.83981	.00340158	.027432	2.67419
2.6	.0611567	2.81344	2.82400	.003773770	.029808	2.65135
2.7	.0641170	2.79621	2.80776	.00411099	.0324089	2.62773
2.8	.0672768	2.77844	2.79107	.00452618	.0352592	2.60330
2.9	.0706308	2.76007	2.77391	.00498870	.0383660	2.57799
3.0	.0741946	2.74108	2.75625	.00550484	.0418199	2.55176
3.1	.0779861	2.72141	2.73807	.00608183	.0455955	2.52454
3.2	.0820247	2.70102	2.71931	.00672805	.0497517	2.49626
3.3	.0863323	2.67984	2.69996	.00745326	.0543328	2.46687
3.4	.0909352	2.65781	2.67997	.00826885	.0593889	2.43627
3.5	.0958549	2.63486	2.65950	.00918815	.0649773	2.40439

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TABLE I.- Continued

$\lambda/b = 0.52$

k	c	$\dfrac{S^{II}}{\bar{b}/b}$	$\dfrac{S}{\bar{b}/b}$	c^2	$\dfrac{S^2 c^2}{(\bar{b}/b)^2}$	$\dfrac{S^{IV}}{\bar{b}/b}$
3.6	0.124991	2.44720	2.48604	0.0156228	0.0965553	2.17531
3.7	.132248	2.41862	2.46167	.0174896	.105984	2.13612
3.8	.140087	2.38849	2.43630	.0196242	.116481	2.09501
3.9	.148572	2.35665	2.40985	.0220737	.128190	2.05181
4.0	.157781	2.32291	2.38222	.0248950	.141278	2.00635
4.1	.167803	2.28705	2.35332	.0281577	.155940	1.95843
4.2	.178739	2.24882	2.32303	.0319476	.172404	1.90781
4.3	.190711	2.20790	2.29123	.0363708	.190937	1.85427
4.4	.203863	2.16394	2.25778	.0415602	.211856	1.79750
4.5	.218365	2.11653	2.22251	.0476832	.235533	1.73719
4.6	.234421	2.06515	2.18524	.0549532	.262416	1.67297
4.7	.252279	2.00920	2.14576	.0636445	.293038	1.60443
4.8	.272241	1.94791	2.10384	.0741149	.328042	1.53109
4.9	.294680	1.88037	2.05918	.0868363	.368206	1.45238
5.0	.320064	1.80542	2.01148	.102441	.414481	1.36768
5.1	.348982	1.72161	1.96036	.121788	.468033	1.27623
5.2	.382194	1.62705	1.90537	.146072	.530305	1.17715
5.3	.420692	1.51929	1.84599	.176982	.603099	1.06940
5.4	.465796	1.39507	1.78162	.216966	.688682	.851746
5.5	.519305	1.24994	1.71149	.269678	.789940	.822704
5.6	.583735	1.07769	1.63472	.340746	.910575	.680476
5.7	.662713	.869370	1.55020	.439188	1.05542	.522862
5.8	.761667	.611564	1.45658	.580136	1.23085	.347151
5.9	.889105	.283266	1.35215	.790507	1.44530	.149947
6.0	1.05916	-.150415	1.23477	1.12182	1.71040	-.0730470
6.1	1.29715	-.751991	1.10168	1.68259	2.04215	-.327259
6.2	1.65738	-1.64567	.949252	2.73365	2.46324	-.620228
6.3	2.24408	-3.11843	.772671	5.03591	3.00654	-.961266
6.4	3.41201	-6.01644	.565360	11.6418	3.72108	-1.36365
6.5	6.80235	-14.4015	.318110	46.2719	4.68246	-1.84579
6.6	140.232	-343.835	-.0174855	19665.1	6.01243	-2.43454
6.7	-7.90003	21.8665	-.854071	62.1105	7.91283	-3.16905
6.8	-3.92943	12.0483	-.834346	15.4404	10.7486	-4.11285
6.9	-2.65408	8.88405	-1.46985	7.04417	15.2187	-5.37097
7.0	-2.02647	7.31878	-2.35589	4.10659	22.7925	-7.13004

TABLE I.- Continued

$\lambda/b = 0.52$

k	c	$\dfrac{S^{II}}{\bar{b}/b}$	$\dfrac{S}{\bar{b}/b}$	c^2	$\dfrac{S^2 c^2}{(\bar{b}/b)^2}$	$\dfrac{S^{IV}}{\bar{b}/b}$
0	0.0239803	3.02114	3.02288	0.000575054	0.00525473	2.95039
.1	.0249899	3.01091	3.01279	.000624495	.00566850	2.93750
.2	.0260440	3.00051	3.00255	.000678290	.00611499	2.92435
.3	.0271449	2.98993	2.99214	.000736848	.00659692	2.91092
.4	.0282953	2.97917	2.98156	.000800622	.00711729	2.89720
.5	.0294977	2.96822	2.97081	.000870114	.00767935	2.88517
.6	.0307551	2.95707	2.95987	.000945878	.00828666	2.86884
.7	.0320707	2.94570	2.94874	.00102853	.00894311	2.85417
.8	.0334477	2.93412	2.93741	.00111875	.00965298	2.83916
.9	.0348897	2.92232	2.92588	.00121729	.0104209	2.82379
1.0	.0364006	2.91027	2.91413	.00132500	.0112521	2.80805
1.1	.0379845	2.89797	2.90216	.0014282	.0121522	2.79192
1.2	.0396458	2.88541	2.88996	.00157179	.0131273	2.77538
1.3	.0413892	2.87258	2.87751	.00171307	.0141843	2.75841
1.4	.0432201	2.85946	2.86481	.00186798	.0153308	2.74099
1.5	.0451439	2.84603	2.85185	.00203797	.0165749	2.72310
1.6	.0471666	2.83229	2.83861	.00222469	.0179259	2.70472
1.7	.0492949	2.81821	2.82507	.00242999	.0193938	2.68581
1.8	.0515357	2.80377	2.81124	.00265592	.0209900	2.66656
1.9	.0538969	2.78896	2.79708	.00290488	.0227268	2.64633
2.0	.0563867	2.77375	2.78259	.00317946	.0246180	2.62569
2.1	.0590144	2.75811	2.76775	.00348270	.0266791	2.60441
2.2	.0617899	2.74203	2.75254	.00381800	.0289269	2.58246
2.3	.0647242	2.72547	2.73694	.00418922	.0313808	2.56108
2.4	.0678293	2.70841	2.72092	.00460081	.0340618	2.53657
2.5	.0711183	2.69080	2.70448	.00505781	.0369938	2.51214
2.6	.0746057	2.67261	2.68757	.00556602	.0402036	2.48706
2.7	.0783077	2.65381	2.67018	.00613210	.0437210	2.46108
2.8	.0822419	2.63433	2.65227	.00676373	.0475798	2.43415
2.9	.0864280	2.61415	2.63382	.00746980	.0518181	2.40618
3.0	.0908878	2.59319	2.61479	.00826060	.0564787	2.37714
3.1	.0956458	2.57140	2.59514	.00914813	.0616102	2.34692
3.2	.100729	2.54870	2.57483	.0101464	.0672678	2.31547
3.3	.106169	2.52503	2.55381	.0112718	.0735143	2.28268
3.4	.111999	2.50029	2.53205	.0125437	.0804212	2.24846
3.5	.118258	2.47438	2.50948	.0139850	.0880705	2.21271

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.54$

k	C	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.151769	2.28991	2.34390	0.0230337	0.126544	1.98817
3.7	.160902	2.25734	2.31734	.0258896	.139028	1.94447
3.8	.170815	2.22279	2.28959	.0291776	.152956	1.89850
3.9	.181601	2.18603	2.26069	.0329788	.168529	1.85006
4.0	.193372	2.14679	2.23018	.0377927	.185980	1.79893
4.1	.206260	2.10475	2.19827	.0425431	.205585	1.74485
4.2	.220419	2.05954	2.16471	.0485844	.227665	1.68757
4.3	.236053	2.01071	2.12934	.0557118	.252602	1.62674
4.4	.253326	1.95773	2.09198	.0641740	.280850	1.56203
4.5	.272565	1.89995	2.05242	.0742914	.312949	1.49301
4.6	.294078	1.83657	2.01044	.0864820	.349549	1.41921
4.7	.318274	1.76663	1.96575	.101298	.391435	1.34011
4.8	.345659	1.68888	1.91805	.119480	.439559	1.25506
4.9	.376881	1.60179	1.86697	.142039	.495089	1.16335
5.0	.412766	1.50334	1.81208	.170378	.559462	1.06411
5.1	.454412	1.39093	1.75289	.206490	.634465	.956354
5.2	.503264	1.26106	1.68878	.253274	.722336	.838880
5.3	.561310	1.10895	1.61906	.315064	.825909	.710266
5.4	.631338	.927895	1.54286	.398588	.948807	.568794
5.5	.717386	.708202	1.45913	.514643	1.09571	.412372
5.6	.825530	.435262	1.36660	.681499	1.27276	.238431
5.7	.965360	-.0860705	1.26365	.931919	1.48810	.0437735
5.8	1.15294	-.378106	1.14828	1.32928	1.75272	-.175623
5.9	1.41742	-1.02715	1.01792	2.00907	2.08172	-.424897
6.0	1.81764	-2.00255	.869228	3.30283	2.49623	-.710719
6.1	2.49312	-3.63948	-.697802	6.21563	3.02656	-1.04190
6.2	3.87394	-6.97137	-.497692	15.0074	3.71729	-1.43034
6.3	8.26008	-17.5245	-.260669	68.2290	4.63606	-1.89248
6.4	-97.1476	235.732	-.0249803	9437.70	5.88929	-2.45177
6.5	-7.34663	19.9457	-.376526	53.9729	7.65184	-3.14272
6.6	-3.89744	11.6432	-.520524	15.1900	10.2268	-4.01846
6.7	-2.68925	8.72527	-1.40003	7.23221	14.1752	-5.16510
6.8	-2.07453	7.23246	-2.18978	4.30283	20.6326	-6.73208
6.9	-1.70228	6.32308	-3.33186	2.89776	32.1689	-9.00362
7.0	-1.45330	5.70919	-5.13374	2.11209	55.6647	-12.5946

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.54$

k	C	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.0286647	2.90943	2.91182	0.000821665	0.00696666	2.82836
.1	.0298627	2.89883	2.90141	.000891779	.00750718	2.81477
.2	.0311140	2.88804	2.89084	.000968080	.00809080	2.80069
.3	.0324213	2.87705	2.88008	.00105114	.00871908	2.78670
.4	.0337880	2.86586	2.86914	.00114163	.00939780	2.77219
.5	.0352172	2.85446	2.85800	.00124025	.0101306	2.75735
.6	.0367125	2.84283	2.84667	.00134781	.0109220	2.74426
.7	.0382778	2.83097	2.83512	.00146519	.0117771	2.72660
.8	.0399173	2.81886	2.82336	.00159339	.0127015	2.71066
.9	.0416352	2.80650	2.81138	.00173349	.0137017	2.69433
1.0	.0434364	2.79388	2.79916	.00188672	.0147830	2.67757
1.1	.0453260	2.78097	2.78669	.00205445	.0159541	2.66038
1.2	.0473096	2.76776	2.77397	.00223820	.0172227	2.64273
1.3	.0493930	2.75424	2.76098	.00243967	.0185977	2.62461
1.4	.0515829	2.74040	2.74771	.00266079	.0200888	2.60598
1.5	.0538861	2.72621	2.73415	.00290371	.0217069	2.58682
1.6	.0563103	2.71165	2.72028	.00317085	.0234640	2.56710
1.7	.0588638	2.69671	2.70609	.00346494	.0257735	2.54680
1.8	.0615555	2.68136	2.69156	.00378908	.0274499	2.52588
1.9	.0643953	2.66557	2.67667	.00414675	.0297098	2.50431
2.0	.0673939	2.64913	2.66142	.00454193	.0321711	2.48205
2.1	.0705630	2.63259	2.64576	.00497913	.0348542	2.45907
2.2	.0739154	2.61533	2.62970	.00546349	.0377817	2.43532
2.3	.0774655	2.59751	2.61319	.00600090	.0409788	2.41076
2.4	.0812286	2.57907	2.59622	.00659809	.0444736	2.38534
2.5	.0852221	2.56004	2.57877	.00726281	.0482980	2.35900
2.6	.0894650	2.54029	2.56079	.00800398	.0524873	2.33169
2.7	.0939783	2.51981	2.54226	.00883192	.0570817	2.30735
2.8	.0987856	2.49853	2.52315	.00975860	.0621262	2.27790
2.9	.103913	2.47639	2.50342	.0107979	.0676720	2.24328
3.0	.109390	2.45331	2.48303	.0119662	.0737767	2.21141
3.1	.115250	2.42922	2.46192	.0132825	.0805060	2.17819
3.2	.121529	2.40402	2.44006	.0147692	.0879345	2.14352
3.3	.128269	2.37762	2.41739	.0164530	.0961476	2.10732
3.4	.135519	2.34989	2.39385	.0183653	.105243	2.06944
3.5	.143331	2.32070	2.36938	.0205438	.115332	2.02977

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TABLE I.- Continued

λ/b = 0.56

k	c	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	σ^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
3.6	0.181319	2.13841	2.21110	0.0338767	0.160733	1.81018
3.7	.192615	2.10141	2.18238	.0371004	.176700	1.76202
3.8	.204931	2.06191	2.15230	.0419967	.194546	1.71123
3.9	.218403	2.01960	2.12076	.0476999	.214537	1.65758
4.0	.233190	1.97410	2.08762	.0543775	.236986	1.60081
4.1	.249481	1.92497	2.05273	.0622407	.262264	1.54061
4.2	.267505	1.87166	2.01592	.0715579	.290805	1.47665
4.3	.287531	1.81354	1.97699	.0826271	.323130	1.40854
4.4	.309900	1.74982	1.93572	.0960381	.359857	1.33584
4.5	.335025	1.67952	1.89187	.112242	.401731	1.25805
4.6	.363422	1.60144	1.84513	.132075	.449652	1.17457
4.7	.395745	1.51403	1.79518	.156614	.504716	1.08475
4.8	.432836	1.41533	1.74161	.187347	.568264	.987779
4.9	.475791	1.30276	1.68397	.226377	.641950	.882752
5.0	.526070	1.17290	1.62171	.276750	.727837	.768576
5.1	.585662	1.02110	1.55418	.342999	.828510	.643958
5.2	.657340	.840847	1.48061	.432096	.947248	.507347
5.3	.745103	.622779	1.40007	.555179	1.08825	.356872
5.4	.854926	.352900	1.31140	.730898	1.25697	.190250
5.5	.996154	.00931461	1.21320	.992322	1.46055	.00466628
5.6	1.18428	-.444257	1.10372	1.40251	1.70853	-.203389
5.7	1.44696	-1.07262	.980734	2.09369	2.01379	-.458347
5.8	1.83894	-2.00398	.844408	3.38169	2.39413	-.705889
5.9	2.48586	-3.53263	.682038	6.17952	2.87457	-1.01342
6.0	3.75413	-6.51676	.497710	14.0935	3.49117	-1.37076
6.1	7.35748	-14.9703	.281754	54.1324	4.29733	-1.79125
6.2	93.1495	-215.927	.0248884	8676.83	5.37469	-2.45345
6.3	-4.14656	23.6576	.286205	83.6595	6.85285	-2.90400
6.4	-4.48555	12.6560	.671537	19.8519	8.94714	-3.66251
6.5	-2.98738	9.20279	1.16132	8.92444	12.0360	-4.63061
6.6	-2.27074	2.50963	1.80682	5.15627	16.8332	-5.90965
6.7	-1.84668	2.50157	2.69748	3.41024	24.8143	-7.67887
6.8	-1.56676	5.83091	4.00822	2.45474	39.4374	-10.2881
6.9	-1.36843	5.35116	6.13237	1.87261	70.4213	-14.5241
7.0	-1.22078	4.98990	10.1773	1.49030	154.361	-22.6015

TABLE I.- Continued

λ/b = 0.56

k	c	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
0	0.0337662	2.80576	2.80896	0.00114015	0.0089613	2.71412
.1	.0351662	2.79480	2.79826	.00123666	.00968335	2.69985
.2	.0366288	2.78362	2.78736	.00134167	.0104240	2.68526
.3	.0381576	2.77223	2.77628	.00145600	.0112224	2.67094
.4	.0397562	2.76062	2.76499	.00158056	.0120836	2.65507
.5	.0414288	2.74877	2.75350	.00171634	.0130129	2.63942
.6	.0431795	2.73668	2.74179	.00186447	.0140160	2.62340
.7	.0450131	2.72432	2.72986	.00202618	.0150993	2.60698
.8	.0469346	2.71170	2.71769	.00220285	.0162659	2.59013
.9	.0489492	2.69879	2.70527	.00239602	.0175353	2.57285
1.0	.0510627	2.68559	2.69261	.00260740	.0189040	2.55511
1.1	.0532815	2.67206	2.67967	.00283892	.0203853	2.53689
1.2	.0556123	2.65821	2.66646	.00309273	.0219893	2.51817
1.3	.0580624	2.64401	2.65295	.00337124	.0237273	2.49891
1.4	.0606397	2.62944	2.63914	.00367718	.0256118	2.47910
1.5	.0633529	2.61447	2.62501	.00401359	.0276564	2.45871
1.6	.0662114	2.59910	2.61054	.00438395	.0298763	2.43769
1.7	.0692253	2.58328	2.59572	.00479215	.0322884	2.41603
1.8	.0724060	2.56700	2.58053	.00524263	.0349113	2.39368
1.9	.0757655	2.55022	2.56495	.00574041	.0377659	2.37061
2.0	.0793174	2.53291	2.54895	.00629124	.0408752	2.34677
2.1	.0830763	2.51504	2.53252	.00690166	.0442650	2.32213
2.2	.0870584	2.49657	2.51563	.00757917	.0479641	2.29663
2.3	.0912617	2.47745	2.49826	.0083235	.0520048	2.27022
2.4	.0957660	2.45763	2.48058	.00917112	.0564231	2.24284
2.5	.100533	2.43706	2.46195	.0101069	.0612597	2.21444
2.6	.105608	2.41569	2.44294	.0111529	.0665602	2.18495
2.7	.111015	2.39345	2.42332	.0123247	.0723760	2.15429
2.8	.116790	2.37026	2.40304	.0136400	.0787654	2.12239
2.9	.122963	2.34605	2.38207	.0151200	.0857943	2.08916
3.0	.129574	2.32072	2.36035	.0167893	.0935374	2.05451
3.1	.136665	2.29417	2.33784	.0186773	.102080	2.01834
3.2	.144286	2.26628	2.31447	.0208184	.111519	1.98052
3.3	.152493	2.23693	2.29018	.0232541	.121967	1.94095
3.4	.161350	2.20595	2.26491	.0260359	.133549	1.89947
3.5	.170931	2.17318	2.23858	.0292173	.146415	1.85594

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.58$

k	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.0392588	2.70932	2.71350	0.00154126	0.0117484	2.60697
.1	.0408725	2.69800	2.70252	.0017056	.0122011	2.59206
.2	.0425587	2.68645	2.69133	.0018125	.0131193	2.57679
.3	.0443218	2.67467	2.67994	.0019644	.0141086	2.56116
.4	.0461660	2.66265	2.66834	.0021313	.0151749	2.54515
.5	.0480962	2.65036	2.65651	.0023125	.0163247	2.52874
.6	.0501175	2.63781	2.64445	.0025176	.0175651	2.51192
.7	.0522353	2.62497	2.63215	.0027252	.0189038	2.49466
.8	.0544555	2.61184	2.61960	.0029540	.0203496	2.47695
.9	.0567846	2.59839	2.60679	.0032244	.0219116	2.45877
1.0	.0592295	2.58461	2.59371	.00350814	.0236003	2.44008
1.1	.0617977	2.57048	2.58033	.00381895	.0254270	2.42087
1.2	.0644972	2.55598	2.56666	.00415989	.0274042	2.40112
1.3	.0673369	2.54109	2.55267	.00453425	.0295457	2.38078
1.4	.0703263	2.52580	2.53835	.00494578	.0318668	2.35984
1.5	.0734758	2.51006	2.52369	.00539870	.0343842	2.33826
1.6	.0767969	2.49386	2.50866	.00589776	.0371167	2.31600
1.7	.0803019	2.47717	2.49324	.00644840	.0400850	2.29303
1.8	.0840045	2.45995	2.47743	.00705675	.0433120	2.26931
1.9	.0879196	2.44217	2.46119	.00772985	.0468273	2.24450
2.0	.0920636	2.42379	2.44450	.00847570	.0506474	2.21945
2.1	.0964546	2.40476	2.42734	.00910350	.0548162	2.19322
2.2	.101113	2.38505	2.40968	.0102238	.0593652	2.16603
2.3	.106060	2.36459	2.39149	.0112487	.0643343	2.13785
2.4	.111321	2.34334	2.37274	.0123924	.0697681	2.10861
2.5	.116924	2.32122	2.35339	.0138711	.0757170	2.07823
2.6	.122898	2.29817	2.33341	.0151039	.0822377	2.04664
2.7	.129278	2.27410	2.31275	.0167128	.0893940	2.01376
2.8	.136103	2.24893	2.29137	.0185240	.0972586	1.97951
2.9	.143416	2.22255	2.26923	.0205682	.105914	1.94378
3.0	.151266	2.19486	2.24626	.0228815	.115452	1.90647
3.1	.159709	2.16572	2.22240	.0255071	.125982	1.86747
3.2	.168809	2.13498	2.19760	.0284966	.137623	1.82663
3.3	.178639	2.10248	2.17179	.0319119	.150517	1.78382
3.4	.189282	2.06802	2.14487	.0358278	.164825	1.73888
3.5	.200837	2.03138	2.11676	.0403355	.180731	1.69164

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.58$

k	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.213416	1.99230	2.08737	0.0455463	0.198451	1.64190
3.7	.227151	1.95048	2.05659	.0516976	.218235	1.58943
3.8	.242199	1.90554	2.02429	.0586605	.240375	1.53401
3.9	.258745	1.85708	1.99033	.0669491	.265213	1.47534
4.0	.277010	1.80458	1.95456	.0767348	.293151	1.41313
4.1	.297261	1.74743	1.91680	.0883643	.324663	1.34701
4.2	.319822	1.68488	1.87686	.102286	.360314	1.27660
4.3	.345092	1.61603	1.83450	.119088	.400779	1.20143
4.4	.373565	1.53974	1.78946	.139551	.446866	1.12098
4.5	.405864	1.45458	1.74144	.164725	.499551	1.03466
4.6	.442784	1.35874	1.69010	.196058	.560027	.944750
4.7	.485355	1.24986	1.63502	.235569	.629742	.841454
4.8	.534934	1.12482	1.57572	.286154	.710492	.732815
4.9	.593353	.979447	1.51165	.352068	.804507	.614708
5.0	.663139	.807952	1.44214	.439754	.914582	.485800
5.1	.747882	.602127	1.36638	.559327	1.04426	.344489
5.2	.852856	.349906	1.28341	.727363	1.19807	.188847
5.3	.986144	-.0328050	1.19206	.972480	1.38189	-.0165170
5.4	1.16079	-.379003	1.09086	1.34743	1.60342	-.175400
5.5	1.39930	-.936971	.978022	1.95803	1.87291	-.390519
5.6	1.74811	-1.73811	.851253	3.04182	2.20420	-.633402
5.7	2.28582	-2.98974	.707635	5.24997	2.61639	-.909891
5.8	3.25925	-5.22862	.543362	10.6227	3.13628	-1.22759
5.9	5.51791	-10.4064	.353392	30.4474	3.50244	-1.59659
6.0	16.5143	-35.5640	.130884	272.722	4.67188	-2.03057
6.1	-18.0663	43.4939	-.133667	326.390	5.83157	-2.54853
6.2	-6.00127	15.8926	-.463876	36.0152	7.41927	-3.17771
6.3	-3.65732	10.5191	-.849958	13.3760	9.66322	-3.95853
6.4	-2.66054	8.22584	-1.35328	7.07846	12.9632	-4.95372
6.5	-2.10934	6.95129	-2.01526	4.44933	18.0699	-6.26613
6.6	-1.75994	6.13796	-2.92650	3.09738	26.5271	-8.07694
6.7	-1.51895	5.57237	-4.26279	2.30721	41.9253	-10.7378
6.8	-1.34293	5.15514	-6.41618	1.80346	74.2437	-15.0327
6.9	-1.20891	4.83376	-10.4749	1.46146	160.356	-23.1381
7.0	-1.10361	4.57786	-21.0028	1.21796	537.267	-44.1818

TABLE I.— Continued

$\frac{\lambda}{b} = 0.60$

k	c	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
3.6	0.24774	1.8515	1.9725	0.061177	0.23881	1.4838
3.7	.26418	1.8044	1.9398	.069791	.26262	1.4274
3.8	.28227	1.7536	1.9055	.079676	.28929	1.3676
3.9	.30226	1.6985	1.8693	.091361	.31923	1.3043
4.0	.32445	1.6385	1.8311	.10527	.35295	1.2370
4.1	.34922	1.5723	1.7906	.12195	.39102	1.1653
4.2	.37700	1.4994	1.7478	.14213	.43416	1.0889
4.3	.40836	1.4184	1.7022	.16676	.48320	1.0071
4.4	.44402	1.3277	1.6537	.19715	.53915	.91943
4.5	.48488	1.2252	1.6018	.23511	.60323	.82512
4.6	.53214	1.1083	1.5462	.28317	.67694	.72339
4.7	.58737	.97352	1.4863	.34500	.76213	.61329
4.8	.65272	.81595	1.4216	.42605	.86106	.49370
4.9	.73119	.62897	1.3516	.53463	.97661	.36331
5.0	.82705	.40295	1.2752	.68402	1.1124	.22055
5.1	.94671	.12362	1.1917	.89627	1.2729	.063504
5.2	1.1001	-.23128	1.0999	1.2103	1.4642	-.11012
5.3	1.3037	-.69841	.99832	1.6996	1.6939	-.30317
5.4	1.5865	-1.3428	.88522	2.5169	1.9723	-.51915
5.5	2.0054	-2.2916	.75841	4.0216	2.3132	-.76250
5.6	2.6890	-3.8722	.61506	7.2307	2.7353	-1.0388
5.7	4.0021	-6.7802	.45151	16.017	3.2651	-1.3555
5.8	7.5493	-14.722	.26294	56.991	3.9402	-1.7220
5.9	51.171	-112.25	-.042884	2618.5	4.8153	-2.1515
6.0	-11.232	27.236	-.21760	126.16	5.9738	-2.6617
6.1	-5.1709	13.673	-.53123	26.738	7.5456	-3.2782
6.2	-3.4055	9.7132	-.91655	11.598	9.7427	-4.0379
6.3	-2.5646	7.8199	-1.4021	6.5773	12.930	-4.9979
6.4	-2.0732	6.7077	-2.0537	4.2983	17.778	-6.2501
6.5	-1.7513	5.9741	-2.8903	3.0670	25.621	-7.9520
6.6	-1.5243	5.4527	-4.1201	2.3234	39.440	-10.400
6.7	-1.3558	5.0619	-4.0582	1.8385	67.024	-14.225
6.8	-1.2281	4.7574	-9.4536	1.5032	134.35	-21.044
6.9	-1.1231	4.5127	-17.260	1.2614	375.82	-36.646
7.0	-1.0396	4.3113	-53.318	1.0809	3072.7	-108.75

TABLE I.— Continued

$\frac{\lambda}{b} = 0.60$

k	c	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
0	0.045113	2.6194	2.6247	0.0020352	0.014021	2.5063
.1	.046950	2.6077	2.6135	.0022043	.015056	2.4908
.2	.048870	2.5958	2.6020	.0023883	.016170	2.4749
.3	.050878	2.5837	2.5904	.0025886	.017369	2.4586
.4	.052979	2.5712	2.5785	.0028068	.018661	2.4419
.5	.055179	2.5585	2.5663	.0030447	.020053	2.4247
.6	.057483	2.5455	2.5540	.0033043	.021553	2.4072
.7	.059898	2.5322	2.5413	.0035877	.023171	2.3891
.8	.062431	2.5186	2.5284	.0038976	.024917	2.3706
.9	.065089	2.5046	2.5153	.0042366	.026803	2.3515
1.0	.067881	2.4903	2.5018	.0046078	.028840	2.3320
1.1	.070815	2.4755	2.4880	.0050147	.031042	2.3118
1.2	.073900	2.4604	2.4739	.0054613	.033424	2.2911
1.3	.077148	2.4448	2.4595	.0059519	.036003	2.2697
1.4	.080570	2.4288	2.4447	.0064915	.038797	2.2477
1.5	.084178	2.4123	2.4295	.0070859	.041825	2.2250
1.6	.087985	2.3953	2.4140	.0077413	.045111	2.2016
1.7	.092006	2.3777	2.3980	.0084651	.048679	2.1774
1.8	.096257	2.3596	2.3816	.0092655	.052556	2.1524
1.9	.10076	2.3408	2.3648	.010152	.056773	2.1265
2.0	.10553	2.3213	2.3475	.011136	.061365	2.0998
2.1	.11058	2.3012	2.3296	.012229	.066369	2.0720
2.2	.11596	2.2802	2.3113	.013446	.071828	2.0433
2.3	.12167	2.2584	2.2923	.014804	.077790	2.0134
2.4	.12776	2.2357	2.2728	.016321	.084308	1.9824
2.5	.13424	2.2120	2.2526	.018022	.091444	1.9502
2.6	.14118	2.1872	2.2317	.019931	.099265	1.9166
2.7	.14859	2.1613	2.2101	.022080	.10785	1.8817
2.8	.15654	2.1341	2.1877	.024505	.11728	1.8452
2.9	.16508	2.1055	2.1644	.027250	.12766	1.8071
3.0	.17426	2.0753	2.1403	.030366	.13911	1.7674
3.1	.18416	2.0435	2.1152	.033915	.15174	1.7257
3.2	.19486	2.0098	2.0891	.037970	.16571	1.6820
3.3	.20645	1.9740	2.0619	.042621	.18119	1.6362
3.4	.21904	1.9359	2.0334	.047978	.19858	1.5880
3.5	.23276	1.8951	2.0057	.054175	.21750	1.5373

TABLE I.— Continued

λ/b = 0.62

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.0512957	2.55538	2.54207	0.00263125	0.0170025	2.41167
.1	.0533638	2.52359	2.53060	.0028476	.0182364	2.39555
.2	.0553257	2.51113	2.51690	.00308310	.0195619	2.37904
.3	.0577870	2.49861	2.50698	.00333933	.0209875	2.36211
.4	.0601535	2.48579	2.49482	.00361844	.0225218	2.34475
.5	.0626316	2.47267	2.48241	.00392271	.0241732	2.32693
.6	.0652281	2.45924	2.46975	.00425470	.0259522	2.30865
.7	.0679504	2.44547	2.45681	.00461726	.0278694	2.28987
.8	.0708066	2.43134	2.44360	.00501357	.0299368	2.27057
.9	.0738052	2.41685	2.43008	.00544721	.0321674	2.25073
1.0	.0769556	2.40196	2.41626	.00592217	.0345756	2.23032
1.1	.0802681	2.38665	2.40212	.00644296	.0371771	2.20931
1.2	.0837536	2.37089	2.38764	.00701467	.0399895	2.18767
1.3	.0874243	2.35467	2.37281	.00764302	.0430318	2.16537
1.4	.0912934	2.33795	2.35760	.00833449	.0463253	2.14236
1.5	.0953753	2.32069	2.34200	.00909645	.0498936	2.11863
1.6	.0996857	2.30287	2.32598	.00993725	.0537625	2.09412
1.7	.104242	2.28444	2.30954	.0108664	.0579610	2.06878
1.8	.109064	2.26536	2.29263	.0118949	.0625213	2.04259
1.9	.114171	2.24558	2.27524	.0130351	.0674789	2.01547
2.0	.119588	2.22505	2.25734	.0143014	.0728737	1.98739
2.1	.125341	2.20372	2.23889	.0157103	.0787503	1.95827
2.2	.131457	2.18151	2.21988	.0172811	.0851585	1.92806
2.3	.137970	2.15837	2.20025	.0190358	.0921540	1.89668
2.4	.144915	2.13420	2.17998	.0210003	.0997297	1.86407
2.5	.152332	2.10892	2.15901	.0232049	.108166	1.83013
2.6	.160266	2.08242	2.13732	.0256852	.117335	1.79478
2.7	.168769	2.05461	2.11484	.0284829	.127391	1.75792
2.8	.177898	2.02554	2.09155	.0316476	.138442	1.71945
2.9	.187719	1.99447	2.06732	.0352385	.150605	1.67924
3.0	.198308	1.96184	2.04215	.0393262	.164005	1.63717
3.1	.209752	1.92725	2.01595	.0439958	.178801	1.59310
3.2	.222149	1.89049	1.98863	.0493502	.195163	1.54686
3.3	.235616	1.85130	1.96012	.0555151	.213295	1.49828
3.4	.250289	1.80939	1.93031	.0626445	.233420	1.44718
3.5	.266325	1.76440	1.89910	.0709289	.255810	1.39332

TABLE I.— Continued

λ/b = 0.62

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.283912	1.71592	1.86636	0.0806061	0.280774	1.33647
3.7	.303274	1.66346	1.83195	.0919751	.308673	1.27637
3.8	.324678	1.60644	1.79574	.105416	.339931	1.21270
3.9	.348448	1.54414	1.75753	.121416	.375046	1.14512
4.0	.374981	1.47570	1.71715	.140611	.414605	1.07325
4.1	.404765	1.40004	1.67436	.163835	.459309	.996638
4.2	.438112	1.31585	1.62892	.192205	.509992	.914780
4.3	.476695	1.22137	1.58053	.227238	.567656	.827096
4.4	.520609	1.11148	1.52885	.271034	.635511	.732918
4.5	.571453	.992322	1.47351	.326558	.709030	.631468
4.6	.630957	.851100	1.41404	.398107	.796016	.521841
4.7	.701481	.685654	1.34991	.492075	.896692	.402975
4.8	.786322	.488766	1.28050	.618302	1.01385	.273616
4.9	.890239	.250022	1.20507	.792525	1.15089	.132270
5.0	1.02035	-.0461702	1.12270	1.04112	1.31229	-.0288525
5.1	1.18785	-.424265	1.03233	1.41098	1.50368	-.193919
5.2	1.41128	-.924891	.932621	1.99171	1.73235	-.383568
5.3	1.72397	-1.62096	.821950	2.97209	2.00795	-.595071
5.4	2.19223	-2.65753	.698275	4.80585	2.34328	-.832501
5.5	2.96956	-4.37056	.559017	8.81829	2.75571	-1.10102
5.6	4.51054	-7.75466	.400863	20.3449	3.26925	-1.40724
5.7	9.01791	-17.6298	.219487	81.3227	3.91769	-2.17983
5.8	258.655	-520.120	-.00913211	56956.0	4.74987	-2.65430
5.9	-10.1506	-238.040	-.238040	103.035	5.83830	-3.23375
6.0	-5.06733	13.1527	-.532978	25.6778	7.29418	-3.94020
6.1	-3.41996	9.53512	-.891156	11.6961	9.29483	-4.82080
6.2	-2.60553	7.73924	-1.33706	6.78878	12.1365	-5.94941
6.3	-2.12026	6.64686	-1.90671	4.49548	16.3435	-7.44846
6.4	-1.79847	5.94735	-2.66162	3.23449	22.9138	-9.53687
6.5	-1.56971	5.43525	-3.71127	2.46399	33.9377	-12.6484
6.6	-1.39893	5.04585	-5.27253	1.95701	54.4040	-17.7810
6.7	-1.26673	4.74270	-7.84434	1.60460	98.7371	-27.8550
6.8	-1.16149	4.49858	-12.8869	1.34907	221.043	-56.6469
6.9	-1.07585	4.29678	-27.2885	1.15746	861.915	-842.525
7.0	-1.00490	4.12714	-420.233	1.00982	178330.	

TABLE I.— Continued

$$\frac{\lambda}{b} = 0.64$$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.321462	1.58589	1.76866	0.103338	0.323257	1.20011
3.7	.342928	1.52782	1.73279	.118286	.355161	1.13683
3.8	.368866	1.46436	1.69498	.136062	.390901	1.06976
3.9	.396688	1.39462	1.65506	.157362	.431048	.998516
4.0	.427904	1.31750	1.61281	.183102	.476277	.922682
4.1	.461149	1.23165	1.56800	.214507	.527390	.841780
4.2	.503228	1.13533	1.52034	.253239	.585346	.755265
4.3	.549174	1.02634	1.46954	.301592	.651298	.662505
4.4	.602335	.901762	1.41521	.362808	.726641	.562780
4.5	.664508	.757761	1.35695	.441571	.813074	.455246
4.6	.738137	.589088	1.29426	.544846	.912659	.338919
4.7	.826634	.388423	1.22656	.683324	1.02803	.212644
4.8	.934917	.145220	1.15317	.874069	1.16234	.0750523
4.9	1.07033	-.156285	1.07727	1.14562	1.31964	-.0754878
5.0	1.24439	-.540755	.985879	1.54850	1.50508	-.240937
5.1	1.47614	-1.04907	.889809	2.17898	1.72523	-.423672
5.2	1.79965	-1.75428	.786503	3.23873	1.98869	-.626607
5.3	2.28234	-2.80098	.665458	5.20910	2.30677	-.853346
5.4	3.07912	-4.52133	.535114	9.48099	2.69460	-1.10841
5.5	4.64224	-7.88522	.389701	21.5504	3.17280	-1.39753
5.6	9.09360	-17.4430	.213517	82.6936	3.76997	-1.72812
5.7	120.176	-255.668	.0177041	14442.2	4.35267	-2.10989
5.8	-11.1566	25.9589	-.210243	124.471	5.50189	-2.55585
5.9	-5.43485	13.6763	-.479239	29.5376	6.78390	-3.08383
6.0	-3.63802	9.81062	-.801834	13.2352	8.50942	-3.71892
6.1	-2.75968	7.91444	-1.19628	7.61586	10.8990	-4.49765
6.2	-2.22939	6.79594	-1.69020	5.01487	14.3264	-5.47522
6.3	-1.89561	6.05582	-2.32744	3.59333	19.4650	-6.73936
6.4	-1.65178	5.49992	-3.18210	2.72839	27.6270	-8.43824
6.5	-1.47005	5.09702	-4.38999	2.16106	41.6478	-10.8435
6.6	-1.32953	4.78234	-6.22982	1.76765	68.6039	-14.5126
6.7	-1.21776	4.32917	-9.37830	1.48294	130.428	-20.7988
6.8	-1.12685	4.32057	-16.0146	1.26979	325.560	-34.0606
6.9	-1.05155	4.14529	-39.1939	1.10576	1698.63	-80.4083
7.0	-.988253	3.99558	171.070	.976644	28581.4	340.130

TABLE I.— Continued

$$\frac{\lambda}{b} = 0.64$$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.0577736	2.45673	2.46496	0.00333779	0.0202804	2.32255
.1	.0600781	2.44442	2.45328	.00360928	.0217235	2.30589
.2	.0624875	2.43184	2.44137	.00390469	.0232731	2.28881
.3	.0650080	2.41896	2.42922	.00422604	.0249384	2.27130
.4	.0676461	2.40577	2.41683	.00457600	.0267287	2.25334
.5	.0704092	2.39226	2.40418	.00495745	.0286544	2.23490
.6	.0733048	2.37841	2.39126	.00537359	.0307268	2.21597
.7	.0753414	2.36419	2.37805	.00582801	.0329582	2.19651
.8	.0795281	2.34960	2.36456	.00632473	.0353623	2.17651
.9	.0828748	2.33461	2.35075	.00686823	.0379540	2.15593
1.0	.0863920	2.31918	2.33662	.00746357	.0407497	2.13476
1.1	.0900914	2.30331	2.32216	.00811646	.0437673	2.11295
1.2	.0939857	2.28696	2.30734	.00883331	.0470269	2.09048
1.3	.0980887	2.27009	2.29215	.00962139	.0505502	2.06731
1.4	.102415	2.25268	2.27656	.01044889	.0543644	2.04341
1.5	.106983	2.23470	2.26057	.0114453	.0584875	2.01873
1.6	.111808	2.21609	2.24414	.0125011	.0629579	1.99323
1.7	.115913	2.19682	2.22726	.0136686	.0678056	1.96687
1.8	.122318	2.17683	2.20990	.0149616	.0730672	1.93959
1.9	.128048	2.15608	2.19202	.0163963	.0787834	1.91134
2.0	.134130	2.13451	2.17361	.0179909	.0849996	1.88207
2.1	.140595	2.11204	2.15463	.0197669	.0917669	1.85170
2.2	.147445	2.08861	2.13505	.0217489	.0991407	1.82018
2.3	.154809	2.06114	2.11482	.0239657	.107186	1.78743
2.4	.162657	2.03853	2.09392	.0264509	.115974	1.75337
2.5	.171009	2.01168	2.07228	.0292441	.125585	1.71790
2.6	.179977	1.98848	2.04988	.0323916	.136110	1.68095
2.7	.189601	1.95379	2.02665	.0359485	.147651	1.64239
2.8	.199951	1.92247	2.00253	.0399803	.160326	1.60212
2.9	.211105	1.88934	1.97747	.0445652	.174267	1.56002
3.0	.223153	1.85422	1.95139	.0497974	.189625	1.51593
3.1	.236201	1.81687	1.92422	.0557909	.206572	1.46972
3.2	.250368	1.77703	1.89587	.0626844	.225308	1.42120
3.3	.265797	1.73440	1.86625	.0706460	.246060	1.37021
3.4	.282652	1.68863	1.83526	.0798922	.269090	1.31652
3.5	.301129	1.63930	1.80277	.0906789	.294704	1.25990

TABLE I.- Continued

$\lambda/b = 0.66$

k	σ	$\dfrac{s_{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s_{IV}}{D/b}$
0	0.0645113	2.38297	2.39293	0.0016171	0.0238305	2.23856
.1	.0670558	2.37037	2.38101	.00146965	.0253394	2.22141
.2	.0697163	2.35747	2.36898	.00186036	.0272766	2.20382
.3	.0724995	2.34425	2.35664	.00525617	.0291945	2.18578
.4	.0754129	2.33071	2.34404	.00568711	.0312480	2.16727
.5	.0784646	2.31683	2.33118	.00615669	.0334578	2.14826
.6	.0816631	2.30257	2.31803	.00666887	.0358837	2.12874
.7	.0850180	2.28794	2.30460	.00722806	.0383894	2.10867
.8	.0885393	2.27290	2.29086	.00783920	.0411103	2.08803
.9	.0922381	2.25743	2.27680	.00850786	.0441031	2.06679
1.0	.0961264	2.24150	2.26240	.00924028	.0472960	2.04492
1.1	.100217	2.22508	2.24766	.0100435	.0507393	2.02240
1.2	.104525	2.20815	2.23254	.0109255	.0544552	1.99919
1.3	.109065	2.19067	2.21704	.0118952	.0584682	1.97524
1.4	.113855	2.17260	2.20114	.0129629	.0628053	1.95053
1.5	.118913	2.15391	2.18480	.0141402	.0674965	1.92500
1.6	.124259	2.13455	2.16802	.0154404	.0725748	1.89862
1.7	.129918	2.11446	2.15076	.0168786	.0780770	1.87134
1.8	.135913	2.09360	2.13301	.0184723	.0840439	1.84310
1.9	.142273	2.07191	2.11472	.0202415	.0905209	1.81385
2.0	.149028	2.04932	2.09587	.0222093	.0975586	1.78353
2.1	.156213	2.02576	2.07643	.0244025	.105213	1.75207
2.2	.163867	2.00115	2.05636	.0268523	.113549	1.71940
2.3	.172032	1.97538	2.03563	.0295950	.122655	1.68544
2.4	.180757	1.94837	2.01418	.0326715	.132552	1.65010
2.5	.190097	1.92000	1.99198	.0361368	.143390	1.61331
2.6	.200113	1.89012	1.96897	.0400454	.155250	1.57495
2.7	.210877	1.85860	1.94510	.0444691	.168245	1.53492
2.8	.222468	1.82527	1.92031	.0494921	.182506	1.49310
2.9	.234979	1.78992	1.89453	.0552152	.198180	1.44935
3.0	.248516	1.75233	1.86768	.0617603	.215435	1.40353
3.1	.263202	1.71225	1.83970	.0692755	.234463	1.35549
3.2	.279181	1.66937	1.81049	.0779422	.255484	1.30503
3.3	.296621	1.62334	1.77995	.0879832	.278751	1.25198
3.4	.315720	1.57373	1.74797	.0996788	.304557	1.19610
3.5	.336713	1.52005	1.71443	.113376	.333241	1.13716

TABLE I.- Continued

$\lambda/b = 0.66$

k	σ	$\dfrac{s_{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s_{IV}}{D/b}$
3.6	0.359883	1.46171	1.67919	0.129516	0.365194	1.07488
3.7	.385571	1.39798	1.64221	.148665	.400878	1.00896
3.8	.414192	1.32800	1.60300	.171555	.440829	.939049
3.9	.446257	1.25067	1.56167	.199146	.485682	.864756
4.0	.482404	1.16467	1.51791	.232714	.536186	.785666
4.1	.523436	1.06830	1.47146	.273985	.593232	.701246
4.2	.570382	.959396	1.42203	.325335	.657887	.610931
4.3	.624580	.835133	1.36930	.390100	.731426	.514061
4.4	.687806	.691779	1.31287	.473078	.815405	.409869
4.5	.762463	.524276	1.25230	.581350	.911709	.297468
4.6	.851890	.325598	1.18708	.725716	1.02265	.175819
4.7	.960861	.0856955	1.11660	.923253	1.15110	.0437030
4.8	1.09646	-.210332	1.04012	1.20222	1.30062	-.100327
4.9	1.26965	-.585561	.956794	1.61200	1.47572	-.257997
5.0	1.49857	-1.07775	.865576	2.24512	1.68210	-.431380
5.1	1.81415	-1.75321	.765208	3.29115	1.92711	-.622997
5.2	2.27790	-2.74011	.654146	5.18885	2.22034	-.855935
5.3	3.02464	-4.32255	.530475	9.14846	2.57441	-1.07402
5.4	4.42542	-7.28122	.391794	19.5843	3.00624	-1.34206
5.5	8.00343	-14.8210	.235049	64.0548	3.53891	-1.64615
5.6	36.4234	-74.6294	.0562957	1326.67	4.20448	-1.99419
5.7	-15.0140	35.5852	-.149660	225.420	5.04852	-2.32654
5.8	-6.35443	15.5532	-.389885	40.3788	6.13801	-2.86739
5.9	-4.08497	10.5662	-.673568	16.6869	7.57077	-3.42507
6.0	-3.03844	8.55218	-1.01459	9.23211	9.50338	-4.09734
6.1	-2.43688	7.07423	-1.43250	5.93839	12.1859	-4.92333
6.2	-2.04659	6.24068	-1.95722	4.18855	16.0450	-5.96284
6.3	-1.77316	5.65285	-2.63648	3.11409	21.8546	-7.31137
6.4	-1.54547	5.21511	-3.55147	2.46844	31.1342	-9.13127
6.5	-1.41592	4.87576	-4.85233	2.00183	47.2059	-11.7228
6.6	-1.29308	4.60437	-6.85113	1.67206	78.4832	-15.7102
6.7	-1.19356	4.38189	-10.3207	1.42457	151.740	-22.6390
6.8	-1.11138	4.19576	-17.8424	1.23516	393.213	-37.6720
6.9	-1.04246	4.03737	-46.5574	1.08672	2355.57	-95.0916
7.0	-.983905	3.90065	122.162	.968070	14447.0	242.357

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TABLE I.— Continued

$\dfrac{\lambda}{b} = 0.68$

k	C	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.398640	1.34375	1.59764	0.158914	0.405621	0.960754
3.7	.427596	1.27446	1.55962	.182838	.444739	.892734
3.8	.459964	1.19804	1.51952	.211567	.488492	.820593
3.9	.496362	1.11320	1.47712	.246375	.537565	.743936
4.0	.537566	1.01834	1.43222	.288977	.592766	.662307
4.1	.584564	.911424	1.38454	.341715	.655054	.575189
4.2	.638633	.789804	1.33380	.407853	.725576	.481990
4.3	.701457	.650004	1.27964	.492042	.805710	.382028
4.4	.775295	.487350	1.22168	.601083	.897122	.274518
4.5	.863259	.295412	1.15946	.745217	1.00184	.158546
4.6	.969751	.0650920	1.09245	.940417	1.12234	.0330458
4.7	1.10121	-.216922	1.02002	1.21266	1.26170	-.103237
4.8	1.26745	-.570913	.941421	1.60644	1.42374	-.251786
4.9	1.48421	-1.02939	.855775	2.20287	1.61324	-.414372
5.0	1.77836	-1.64791	.762015	3.16256	1.83640	-.593122
5.1	2.19999	-2.52997	.658851	4.83998	2.10096	-.790618
5.2	2.85426	-3.89289	.544702	8.14682	2.41717	-1.01002
5.3	4.00579	-6.28350	.417610	16.0463	2.79845	-1.25525
5.4	6.55558	-11.5844	.275120	43.1069	3.26280	-1.53120
5.5	17.1603	-33.4897	.114115	294.475	3.83469	-1.84412
5.6	-30.7166	65.4376	-.0694289	943.512	4.54808	-2.20205
5.7	-8.31491	19.1326	-.280792	69.1377	5.45111	-2.61555
5.8	-4.87947	12.0216	-.527050	23.8093	6.61377	-3.09877
5.9	-3.48846	9.13543	-.817900	12.1694	8.14082	-3.67111
6.0	-2.73596	7.56861	-1.16701	7.48550	10.1945	-4.35989
6.1	-2.26478	6.58301	-1.59426	5.12921	13.0367	-5.20489
6.2	-1.94227	5.90454	-2.12976	3.77240	17.1111	-6.26631
6.3	-1.70787	5.40802	-2.82137	2.91681	23.2181	-7.63989
6.4	-1.52997	5.02814	-3.75006	2.34081	32.9188	-9.48755
6.5	-1.39049	4.72750	-5.06453	1.93345	49.5920	-12.1067
6.6	-1.27830	4.48314	-7.07067	1.63405	81.6932	-16.1091
6.7	-1.18621	4.28017	-10.5141	1.40709	155.549	-22.9861
6.8	-1.10934	4.10853	-17.8135	1.23064	390.509	-37.5748
6.9	-1.04429	3.96117	-43.7471	1.09055	2087.10	-89.4318
7.0	-.988595	3.83299	-169.008	.977321	27915.9	336.089

TABLE I.— Continued

$\dfrac{\lambda}{b} = 0.68$

k	C	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2\sigma^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.0714738	2.31370	2.32558	0.00510850	0.0276284	2.15936
.1	.0742598	2.30081	2.31357	.00551451	.029169	2.14176
.2	.0771726	2.28761	2.30131	.00595561	.0316412	2.12372
.3	.0802199	2.27408	2.28881	.00643523	.0337119	2.10520
.4	.0834098	2.26020	2.27604	.00695719	.0360407	2.08620
.5	.0867512	2.24596	2.26299	.00752577	.0385406	2.06668
.6	.0902538	2.23134	2.24966	.00814574	.0412254	2.04662
.7	.0939278	2.21630	2.23603	.00882243	.0441106	2.02600
.8	.0977845	2.20083	2.22208	.00966181	.0472128	2.00480
.9	.101836	2.18491	2.20781	.0103706	.0505506	1.98297
1.0	.106096	2.16850	2.19319	.0112564	.0541440	1.96050
1.1	.110579	2.15157	2.17820	.0122277	.0580154	1.93734
1.2	.115301	2.13409	2.16284	.0132942	.0621890	1.91347
1.3	.120278	2.11602	2.14709	.0144668	.0666917	1.88884
1.4	.125531	2.09733	2.13091	.0157580	.0715524	1.86341
1.5	.131079	2.07797	2.11429	.0171818	.0768066	1.83715
1.6	.136947	2.05788	2.09721	.0187545	.0824879	1.81001
1.7	.143159	2.03702	2.07964	.0204946	.0886372	1.78192
1.8	.149744	2.01533	2.06156	.0224233	.0952994	1.75285
1.9	.156733	1.99274	2.04293	.0245652	.102524	1.72273
2.0	.164161	1.96918	2.02372	.0269488	.110367	1.69150
2.1	.172066	1.94457	2.00390	.0296065	.118888	1.65910
2.2	.180492	1.91882	1.98343	.0325772	.128159	1.62544
2.3	.189488	1.89182	1.96228	.0359055	.138255	1.59045
2.4	.199108	1.86346	1.94039	.0396441	.149284	1.55404
2.5	.209416	1.83362	1.91772	.0438550	.161283	1.51612
2.6	.220481	1.80214	1.89422	.0486119	.174422	1.47658
2.7	.232384	1.76885	1.86983	.0540025	.188807	1.43531
2.8	.245218	1.73357	1.84449	.0601318	.204576	1.39219
2.9	.259088	1.69608	1.81813	.0671264	.221892	1.34707
3.0	.274116	1.65612	1.79067	.0751397	.240936	1.29982
3.1	.290446	1.61340	1.76204	.0843590	.261917	1.25026
3.2	.308244	1.56756	1.73214	.0950145	.285073	1.19522
3.3	.327706	1.51821	1.70087	.107392	.310679	1.14348
3.4	.349065	1.46486	1.66812	.121847	.339052	1.08583
3.5	.372598	1.40694	1.63375	.138830	.370557	1.02502

TABLE I.— Continued

$\dfrac{\lambda}{b} = 0.70$

μ	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.437187	1.23244	1.52366	0.191132	0.443719	0.857533
3.7	.469279	1.15781	1.48498	.220217	.485834	.787960
3.8	.505466	1.07520	1.44418	.255496	.532877	.714196
3.9	.546174	.983114	1.40106	.298306	.585565	.635836
4.0	.592424	.879690	1.35538	.350966	.644747	.552422
4.1	.645295	.762527	1.30689	.416535	.711430	.463431
4.2	.706629	.628493	1.25529	.499325	.786814	.368265
4.3	.778175	.473423	1.20025	.605557	.872339	.266241
4.4	.862820	.291656	1.14132	.744458	.969740	.156567
4.5	.964451	.0752889	1.07810	.930165	1.08113	.0383257
4.6	1.08866	-.187045	1.01003	1.18519	1.20908	-.0895525
4.7	1.24381	-.512314	.936488	1.54706	1.35679	-.228324
4.8	1.44293	-.927024	.856728	2.08205	1.52819	-.379472
4.9	1.70761	-1.47501	.769868	2.91592	1.72826	-.544764
5.0	2.07627	-2.23436	.674847	4.31091	1.96327	-.726320
5.1	2.62471	-3.35905	.570382	6.88912	2.24127	-.926707
5.2	3.52594	-5.20058	.454903	12.4323	2.57270	-1.14906
5.3	5.27982	-8.77451	.326475	27.8765	2.97124	-1.39725
5.4	10.1755	-18.7316	.182675	103.541	3.41515	-1.67613
5.5	98.4623	-198.111	.0204368	9694.83	4.04917	-1.99182
5.6	-13.3269	28.9955	-.164181	177.607	4.78745	-2.35221
5.7	-6.35413	14.8181	-.376632	40.3750	5.71815	-2.76760
5.8	-4.22042	10.0719	-.622888	17.8119	6.91084	-3.25173
5.9	-3.18669	8.36048	-.913216	10.1550	8.46889	-3.82335
6.0	-2.57710	7.11061	-1.26043	6.64143	10.5511	-4.50867
6.1	-2.17535	6.28289	-1.68345	4.73214	13.4110	-5.34555
6.2	-1.89086	5.69328	-2.21068	3.57535	17.4732	-6.39078
6.3	-1.67901	5.25113	-2.88671	2.81907	23.4916	-7.73353
6.4	-1.51527	4.78582	-3.78582	2.29605	32.9080	-9.52237
6.5	-1.38505	4.63007	-5.04162	1.91837	48.7610	-12.0215
6.6	-1.27912	4.40274	-6.92106	1.63614	78.3726	-15.7779
6.7	-1.19134	4.21217	-10.0461	1.41929	143.239	-22.0113
6.8	-1.11750	4.04978	-16.2774	1.24880	330.875	-34.4674
6.9	-1.05458	3.90947	-34.8596	1.11215	1351.48	-71.6220
7.0	-1.00041	3.78677	-84.6584	1.00081	21722400.	-9319.57

TABLE I.— Continued

$\dfrac{\lambda}{b} = 0.70$

μ	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.0786265	2.24853	2.26252	0.00616213	0.0316462	2.08462
.1	.0816536	2.23538	2.25038	.00666730	.0337647	2.06663
.2	.0848180	2.22190	2.23800	.00719410	.0360526	2.04818
.3	.0881285	2.20807	2.22536	.00776663	.0384420	2.02924
.4	.0915938	2.19389	2.21245	.00839943	.0410656	2.00980
.5	.0952237	2.17931	2.19925	.00906755	.0438572	1.98983
.6	.0990286	2.16433	2.18577	.00980667	.0468521	1.96931
.7	.103020	2.14892	2.17197	.0106151	.0500669	1.94822
.8	.107210	2.13305	2.15786	.0114940	.0535199	1.92651
.9	.111612	2.11670	2.14341	.0124572	.0572305	1.90418
1.0	.116241	2.09984	2.12860	.0135120	.0612219	1.88117
1.1	.121112	2.08243	2.11343	.0146682	.0655168	1.85747
1.2	.126244	2.06443	2.09787	.0159376	.0701420	1.83365
1.3	.131655	2.04582	2.08190	.0173330	.0751266	1.80781
1.4	.137366	2.02653	2.06551	.0188693	.0805026	1.78178
1.5	.143400	2.00653	2.04866	.0205635	.0863053	1.75488
1.6	.149783	1.98577	2.03134	.0224348	.0925739	1.72708
1.7	.156542	1.96418	2.01352	.0245054	.0993517	1.69832
1.8	.163709	1.94170	1.99518	.0268008	.106687	1.66855
1.9	.171319	1.91827	1.97627	.0293503	.114632	1.63770
2.0	.179410	1.89379	1.95678	.0321881	.123248	1.60571
2.1	.188026	1.86819	1.93666	.0353536	.132599	1.57252
2.2	.197213	1.84136	1.91588	.0388931	.142761	1.53804
2.3	.207028	1.81320	1.89439	.0428607	.153815	1.50220
2.4	.217531	1.78357	1.87216	.0473198	.165855	1.46491
2.5	.228792	1.75234	1.84913	.0523459	.178986	1.42606
2.6	.240890	1.71934	1.82525	.0580282	.193323	1.38557
2.7	.253916	1.68438	1.80046	.0644734	.209002	1.34330
2.8	.267973	1.64727	1.77471	.0718095	.226170	1.29915
2.9	.283181	1.60774	1.74791	.0801914	.244929	1.25293
3.0	.299678	1.56653	1.71999	.0898072	.265284	1.20455
3.1	.317628	1.52029	1.69088	.100887	.288444	1.15381
3.2	.337219	1.47165	1.66047	.113716	.315535	1.10053
3.3	.358675	1.41911	1.62867	.128648	.341245	1.04450
3.4	.382264	1.36223	1.59535	.146126	.371911	.985503
3.5	.408306	1.30025	1.56039	.166714	.405919	.923275

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TABLE I.- Continued

λ/b = 0.72

k	σ	sII/(D/b)	s/(D/b)	σ²	s²σ²/(D/b)²	sIV/(D/b)
3.6	0.474597	1.12814	1.45683	0.225622	0.478852	0.764842
3.7	.510316	1.04855	1.41777	.260423	.523466	.694257
3.8	.549997	.960162	1.37657	.302497	.573215	.619460
3.9	.594875	.861311	1.33204	.353876	.628839	.540049
4.0	.646011	.749871	1.28695	.417330	.691206	.455569
4.1	.704778	.623097	1.23805	.496712	.761347	.365501
4.2	.772691	.477384	1.18603	.597496	.840485	.269255
4.3	.853033	.307892	1.13056	.727665	.930085	.166156
4.4	.948263	.107979	1.07125	.899203	1.03191	.0554231
4.5	1.06336	-.131735	1.00765	1.13074	1.14810	-.0638449
4.6	1.20517	-.424932	.939225	1.45243	1.28125	-.192698
4.7	1.38408	-.792388	.865368	1.91567	1.43457	-.332367
4.8	1.61667	-1.26725	.785352	2.61351	1.61202	-.484300
4.9	1.93112	-1.90587	.698317	3.72924	1.81855	-.650219
5.0	2.37954	-2.81240	.603232	5.66222	2.06042	-.832183
5.1	3.07009	-4.20309	.498855	9.42547	2.34559	-1.03268
5.2	4.27028	-6.61273	.383674	18.253	2.68434	-1.25472
5.3	6.87129	-11.8230	.255828	47.2146	3.09011	-1.50204
5.4	16.7455	-31.5740	.113002	280.412	3.56068	-1.77927
5.5	42.8409	87.5408	-.0477233	1835.34	4.18002	-2.09223
5.6	-9.64165	21.1582	-.230077	92.9615	4.92094	-2.44840
5.7	-5.51042	12.8883	-.438903	30.3648	5.84936	-2.85745
5.8	-3.89588	9.64968	-.680615	15.1779	7.03096	-3.3321
5.9	-3.03579	7.91928	-.963879	9.2160	8.56229	-3.89002
6.0	-2.50186	6.84082	-1.30070	6.25932	10.5897	-4.55488
6.1	-2.13840	6.10305	-1.70822	4.57275	13.3434	-5.36107
6.2	-1.87521	5.56663	-2.31175	3.51639	17.2016	-6.35923
6.3	-1.67598	5.15598	-2.85034	2.80890	22.8207	-7.62744
6.4	-1.52006	4.83280	-3.68756	2.31057	31.4193	-9.29285
6.5	-1.39481	4.57084	-4.83429	1.94550	45.4671	-11.5772
6.6	-1.29210	4.35380	-6.50285	1.66952	70.5991	-14.9052
6.7	-1.20642	4.17070	-9.15733	1.45545	122.049	-20.2049
6.8	-1.13393	4.01385	-14.0442	1.28580	253.609	-29.9693
6.9	-1.07187	3.87772	-26.0410	1.14891	779.116	-53.9537
7.0	-1.01820	3.75824	-102.340	1.03672	10858.2	-206.543

TABLE I.- Continued

λ/b = 0.72

k	σ	sII/(D/b)	s/(D/b)	σ²	s²σ²/(D/b)²	sIV/(D/b)
0	0.0859361	2.18715	2.20342	0.00738502	0.0358546	2.01406
.1	.0892017	2.17375	2.19118	.00795693	.0382036	1.99573
.2	.0926154	2.16001	2.17870	.00857760	.0407156	1.97692
.3	.0961861	2.14591	2.16595	.00921473	.0434032	1.95762
.4	.0999236	2.13143	2.15293	.00984473	.0462802	1.93780
.5	.103838	2.11655	2.13962	.0107824	.0493615	1.91744
.6	.107942	2.10124	2.12601	.0116514	.0526634	1.89653
.7	.112246	2.08548	2.11209	.0125991	.0562036	1.87502
.8	.116764	2.06924	2.09784	.0136338	.0600018	1.85289
.9	.121511	2.05250	2.08326	.0147649	.0640791	1.83012
1.0	.126503	2.03521	2.06831	.0160029	.0684589	1.80666
1.1	.131756	2.01735	2.05299	.0173597	.0731668	1.78250
1.2	.137290	1.99887	2.03727	.0188486	.0782309	1.75758
1.3	.143126	1.97974	2.02115	.0204850	.0836821	1.73187
1.4	.149286	1.95991	2.00459	.0222863	.0895545	1.70533
1.5	.155796	1.93932	1.98757	.0242723	.0958856	1.67791
1.6	.162682	1.91793	1.97007	.0264656	.102717	1.64957
1.7	.169977	1.89566	1.95206	.0285921	.110094	1.62025
1.8	.177713	1.87245	1.93352	.0315820	.118069	1.58991
1.9	.185929	1.84823	1.91441	.0345697	.126696	1.55846
2.0	.194667	1.82290	1.89470	.0378953	.136040	1.52587
2.1	.203974	1.79638	1.87436	.0416055	.146170	1.49204
2.2	.213904	1.76855	1.85335	.0457547	.157164	1.45691
2.3	.224515	1.73930	1.83163	.0504069	.169108	1.42040
2.4	.235876	1.70849	1.80915	.0556373	.182102	1.38241
2.5	.248062	1.67597	1.78586	.0615350	.196253	1.34285
2.6	.261163	1.64455	1.76171	.0682060	.211686	1.30162
2.7	.275277	1.60505	1.73665	.0757772	.228540	1.25859
2.8	.290519	1.56622	1.71060	.0844012	.246971	1.21364
2.9	.307022	1.52481	1.68350	.0942628	.267158	1.16663
3.0	.324942	1.48050	1.65528	.105587	.289302	1.11741
3.1	.344457	1.43293	1.62584	.118651	.313636	1.06581
3.2	.365781	1.38168	1.59510	.133796	.340421	1.01164
3.3	.389165	1.32624	1.56294	.151449	.369960	.954701
3.4	.414909	1.26601	1.52927	.172149	.402601	.894763
3.5	.443373	1.20027	1.49395	.196580	.438743	.831571

TABLE I.— Continued

$\frac{\lambda}{b} = 0.74$

κ	c	$\frac{s^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
3.6	0.511581	1.03118	1.39673	0.261715	0.510567	0.682189
3.7	.549843	.947109	1.35753	.302327	.557152	.611100
3.8	.592902	.853519	1.31621	.351532	.608997	.515826
3.9	.641694	.748569	1.27258	.411771	.666846	.455974
4.0	.697413	.629906	1.22642	.486385	.731571	.371097
4.1	.761612	.494473	1.17747	.580053	.804202	.280694
4.2	.836342	.338232	1.12544	.699467	.885960	.184188
4.3	.924371	.155728	1.07002	.854462	.978302	.0809243
4.4	1.02953	-.0605847	1.01081	1.05994	1.08298	-.029516
4.5	1.15729	-.321460	.947387	1.33931	1.20209	-.149011
4.6	1.31569	-.642753	.879245	1.73103	1.33821	-.277565
4.7	1.51712	-1.04887	.805790	2.30166	1.49447	-.416693
4.8	1.78171	-1.57941	.726330	3.17451	1.67473	-.567783
4.9	2.14441	-2.30320	.640044	4.59850	1.88381	-.732474
5.0	2.67174	-3.35132	.545955	7.13846	2.12774	-.912722
5.1	3.50826	-5.00811	.442888	12.3079	2.41418	-1.11088
5.2	5.03675	-8.02716	.329419	25.3689	2.75294	-1.32978
5.3	8.71776	-15.2853	.203806	75.9993	3.15676	-1.57292
5.4	29.8700	-56.9431	-.0638936	892.218	3.64238	-1.84461
5.5	-22.1169	45.4063	-.0930160	489.156	4.23216	-2.15024
5.6	-8.23499	18.0633	-.270345	67.8151	4.95646	-2.49666
5.7	-5.12192	11.9234	-.425514	26.2340	5.85726	-2.89269
5.8	-3.74963	9.21101	-.705298	14.0597	6.99395	-3.34991
5.9	-2.97750	7.68017	-.976434	8.86553	8.45260	-3.85377
6.0	-2.48279	6.69544	-1.29650	6.16424	10.3616	-4.51544
6.1	-2.13899	6.00775	-1.68037	4.57526	12.9189	-5.27465
6.2	-1.88636	5.49949	-2.74961	3.55837	16.4426	-6.20455
6.3	-1.69304	5.10789	-2.73677	2.86639	21.4691	-7.37024
6.4	-1.54045	4.79638	-3.49336	2.37300	28.9591	-8.87473
6.5	-1.41705	4.54224	-1.50600	2.00804	40.7714	-10.8942
6.6	-1.31529	4.33058	-5.93249	1.72998	60.8857	-13.7354
6.7	-1.22999	4.15126	-8.09390	1.51289	99.111	-18.0494
6.8	-1.15755	3.99710	-11.7592	1.33991	185.282	-25.3711
6.9	-1.09530	3.86294	-19.3452	1.19968	448.965	-40.5340
7.0	-1.04130	3.74488	-44.4198	1.08431	2139.47	-90.6742

TABLE I.— Continued

$\frac{\lambda}{b} = 0.74$

κ	c	$\frac{s^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
0	0.933701	2.12925	2.14798	0.00871797	0.0402230	1.94742
.1	.0968704	2.11563	2.13567	.00938387	.0428007	1.92879
.2	.100529	2.10165	2.12311	.0101061	.0455541	1.90967
.3	.104355	2.08730	2.11028	.0108900	.0484965	1.89006
.4	.108360	2.07256	2.09718	.0117419	.0516425	1.86993
.5	.112554	2.05738	2.08378	.0126684	.0550078	1.84924
.6	.116949	2.04177	2.07009	.0136771	.0585098	1.82799
.7	.121559	2.02569	2.05607	.0147766	.0624673	1.80614
.8	.126396	2.00911	2.04173	.0159765	.0666008	1.78366
.9	.131482	1.99200	2.02705	.0172877	.0710327	1.76053
1.0	.136827	1.97433	2.01200	.0187216	.0757877	1.73670
1.1	.142452	1.95606	1.99657	.0202927	.0808926	1.71215
1.2	.148378	1.93714	1.98075	.0220161	.0863771	1.68685
1.3	.154627	1.91754	1.96451	.0239095	.0922736	1.66074
1.4	.161223	1.89720	1.94783	.0259929	.0986178	1.63379
1.5	.168194	1.87607	1.93069	.0282891	.105449	1.60596
1.6	.175568	1.85409	1.91306	.0308242	.112811	1.57719
1.7	.183380	1.83120	1.89493	.0336283	.120751	1.54743
1.8	.191666	1.80733	1.87625	.0367360	.129322	1.51664
1.9	.200467	1.78238	1.85701	.0401871	.138584	1.48474
2.0	.209829	1.75627	1.83716	.0440281	.148602	1.45167
2.1	.219802	1.72891	1.81668	.0483128	.159447	1.41737
2.2	.230444	1.70017	1.79552	.0531043	.171202	1.38175
2.3	.241820	1.66992	1.77364	.0584767	.183956	1.34474
2.4	.254003	1.63803	1.75100	.0645173	.197811	1.30624
2.5	.267076	1.60433	1.72756	.0713294	.212879	1.26617
2.6	.281134	1.56863	1.70325	.0790365	.229289	1.22441
2.7	.296287	1.53071	1.67802	.0877860	.247183	1.18084
2.8	.312659	1.49033	1.65180	.0977558	.266722	1.13535
2.9	.330396	1.44720	1.62454	.109162	.288091	1.08780
3.0	.349667	1.40099	1.59614	.122267	.311495	1.03802
3.1	.370669	1.35130	1.56653	.137395	.337172	.985870
3.2	.393635	1.29768	1.53562	.154949	.365390	.931148
3.3	.418843	1.23958	1.50331	.175429	.396458	.873658
3.4	.446622	1.17635	1.46947	.199471	.430728	.813172
3.5	.477373	1.10721	1.43399	.227885	.468607	.749443

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TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.76$

k	C	$\dfrac{sII}{D/b}$	$\dfrac{s}{D/b}$	C^2	$\dfrac{s^2C^2}{(D/b)^2}$	$\dfrac{sIV}{D/b}$
3.6	0.54651	0.94180	1.3429	0.29867	0.53860	0.60899
3.7	.58746	.85383	1.3038	.34511	.58662	.53786
3.8	.63360	.75572	1.2626	.40145	.63995	.46261
3.9	.68595	.64550	1.2191	.47052	.69932	.38287
4.0	.74582	.52061	1.1732	.55624	.76559	.29820
4.1	.81492	.37774	1.1245	.66409	.83977	.20813
4.2	.89552	.24248	1.0729	.80195	.92306	.11210
4.3	.99069	.018865	1.0179	.98147	1.0169	.0091766
4.4	1.1047	-.21141	.95922	1.2204	1.1229	-.10044
4.5	1.2437	-.49025	.89647	1.5469	1.2432	-.21850
4.6	1.4169	-.85537	.82916	2.0075	1.3802	-.34564
4.7	1.6383	-1.2743	.75673	2.6839	1.5369	-.48299
4.8	1.9312	-1.8521	.67852	3.7295	1.7762	-.63184
4.9	2.3368	-2.6485	.59377	5.4604	1.9252	-.79373
5.0	2.9949	-3.8187	.50157	8.6136	2.1669	-.97048
5.1	3.9047	-5.7104	.40082	15.247	2.4495	-1.1643
5.2	5.7472	-9.2958	.26021	33.031	2.7820	-1.3777
5.3	10.598	-18.719	.16816	112.32	3.1762	-1.6110
5.4	58.391	-111.48	.032707	3409.5	3.6473	-1.8771
5.5	-17.312	35.425	-.11860	299.69	4.2156	-2.1718
5.6	-7.6706	16.705	-.28882	58.838	4.9082	-2.5043
5.7	-4.9816	11.477	-.48187	24.817	5.7624	-2.8824
5.8	-3.7185	9.0150	-.70281	13.827	6.8298	-3.3162
5.9	-2.9851	7.5816	-.95837	8.9109	8.1844	-3.8192
6.0	-2.5064	6.6421	-1.2575	6.2818	9.9342	-4.4094
6.1	-2.1694	5.9779	-1.6128	4.7065	12.243	-5.1118
6.2	-1.9196	5.4826	-2.0420	3.6849	15.335	-5.9618
6.3	-1.7271	5.0984	-2.5711	2.9829	19.720	-7.0118
6.4	-1.5744	4.7913	-3.2404	2.4786	26.025	-8.3419
6.5	-1.4503	4.5397	-4.1145	2.1034	35.607	-10.082
6.6	-1.3476	4.3295	-5.3056	1.8160	51.120	-12.455
6.7	-1.2613	4.1510	-7.0261	1.5908	78.531	-15.388
6.8	-1.1877	3.9972	-9.7320	1.4107	133.61	-21.291
6.9	-1.1244	3.8632	-14.615	1.2643	270.06	-31.049
7.0	-1.0694	3.7450	-26.087	1.1436	778.21	-53.985

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.76$

k	C	$\dfrac{sII}{D/b}$	$\dfrac{s}{D/b}$	C^2	$\dfrac{s^2C^2}{(D/b)^2}$	$\dfrac{sIV}{D/b}$
0	0.10090	2.0746	2.0959	0.010180	0.044721	1.8844
.1	.10463	2.0608	2.0836	.010947	.047524	1.8656
.2	.10853	2.0466	2.0710	.011778	.050513	1.8462
.3	.11260	2.0320	2.0581	.012679	.053704	1.8263
.4	.11687	2.0170	2.0449	.013658	.057112	1.8059
.5	.12133	2.0016	2.0315	.014721	.060752	1.7850
.6	.12601	1.9857	2.0177	.015879	.064644	1.7635
.7	.13092	1.9693	2.0036	.017139	.063807	1.7413
.8	.13607	1.9524	1.9892	.018514	.073263	1.7186
.9	.14148	1.9350	1.9745	.020016	.078033	1.6951
1.0	.14716	1.9169	1.9594	.021657	.083146	1.6710
1.1	.15315	1.8983	1.9439	.023454	.088627	1.6462
1.2	.15945	1.8790	1.9280	.025425	.094509	1.6206
1.3	.16610	1.8599	1.9117	.027589	.10082	1.5942
1.4	.17311	1.8382	1.8949	.029968	.10761	1.5669
1.5	.18053	1.8165	1.8777	.032590	.11491	1.5387
1.6	.18837	1.7940	1.8600	.035483	.12276	1.5097
1.7	.19668	1.7706	1.8418	.038682	.13122	1.4796
1.8	.20549	1.7461	1.8231	.042226	.14034	1.4485
1.9	.21485	1.7205	1.8038	.046159	.15018	1.4162
2.0	.22480	1.6937	1.7838	.050536	.16081	1.3828
2.1	.23541	1.6656	1.7633	.055417	.17230	1.3482
2.2	.24673	1.6360	1.7420	.060875	.18474	1.3122
2.3	.25883	1.6049	1.7201	.066992	.19821	1.2749
2.4	.27179	1.5720	1.6974	.073869	.21283	1.2361
2.5	.28570	1.5373	1.6739	.081623	.22870	1.1957
2.6	.30066	1.5004	1.6495	.090395	.24596	1.1536
2.7	.31679	1.4612	1.6242	.10035	.26474	1.1097
2.8	.33422	1.4195	1.5980	.11170	.28523	1.0639
2.9	.35311	1.3748	1.5706	.12469	.30759	1.0160
3.0	.37364	1.3269	1.5422	.13961	.33204	.96598
3.1	.39603	1.2754	1.5126	.15684	.35883	.91356
3.2	.42052	1.2196	1.4817	.17683	.38820	.85852
3.3	.44741	1.1592	1.4493	.20018	.42049	.80088
3.4	.47707	1.0935	1.4155	.22760	.45604	.74021
3.5	.50993	1.0212	1.3801	.26003	.49525	.67634

TABLE I.— Continued

λ/b = 0.78

k	c	$\frac{g^{II}}{D/b}$	$\frac{g}{D/b}$	c^2	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{g^{IV}}{D/b}$
3.6	0.57941	0.86011	1.2948	0.33572	0.56283	0.54458
3.7	.62275	.76889	1.2560	.38782	.61178	.47782
3.8	.67161	.66705	1.2152	.45105	.66602	.39905
3.9	.72707	.55250	1.1721	.52863	.72625	.31991
4.0	.79055	.42254	1.1267	.62496	.79330	.23598
4.1	.86388	.27364	1.0786	.74629	.86815	.14681
4.2	.94950	.10116	1.0276	.90156	.95195	.051888
4.3	1.0507	-.10129	.97338	1.1041	1.0461	-.049391
4.4	1.1722	-.34256	.91565	1.3741	1.1521	-.15770
4.5	1.3206	-.63541	.85400	1.7440	1.2720	-.27381
4.6	1.5059	-.99888	.78798	2.2676	1.4080	-.39862
4.7	1.7435	-1.4627	.71708	3.0398	1.5631	-.53315
4.8	2.0592	-2.0760	.64069	4.2403	1.7406	-.67862
4.9	2.4987	-2.9264	.55811	6.2435	1.9448	-.83643
5.0	3.1522	-4.1865	.46849	9.9362	2.1808	-1.0085
5.1	4.2253	-6.2500	.37085	17.853	2.4554	-1.1961
5.2	5.3317	-10.253	.26400	59.858	2.7766	-1.4023
5.3	12.124	-21.388	.14651	146.98	3.1552	-1.6298
5.4	114.18	-216.76	.016629	13036.	3.6046	-1.8820
5.5	-15.926	32.287	-.12781	253.63	4.1428	-2.1632
5.6	-7.5631	16.269	-.28949	57.201	4.7935	-2.4789
5.7	-5.0107	11.373	-.47179	25.107	5.5885	-2.8558
5.8	-3.7749	8.9980	-.67910	14.250	6.5717	-3.2426
5.9	-3.0463	7.5425	-.91707	9.2802	7.8048	-3.7108
6.0	-2.5662	6.6643	-1.1932	6.5851	9.3758	-4.2552
6.1	-2.2260	6.0032	-1.5178	4.9553	11.415	-4.8964
6.2	-1.9727	5.5081	-1.9050	3.8914	14.122	-5.6629
6.3	-1.7767	5.1228	-2.3752	3.1568	17.809	-6.5953
6.4	-1.6208	4.8440	-2.9588	2.6270	22.998	-7.7544
6.5	-1.4959	4.5606	-3.7029	2.2316	30.599	-9.2346
6.6	-1.3886	4.3486	-4.6853	1.9281	42.327	-11.191
6.7	-1.2999	4.1683	-6.0430	1.6898	61.706	-13.898
6.8	-1.2243	4.0128	-8.0438	1.4989	96.982	-17.892
6.9	-1.1591	3.8772	-11.289	1.3434	171.22	-24.375
7.0	-1.1023	3.7577	-17.472	1.2151	370.92	-36.731

TABLE I.— Continued

λ/b = 0.78

k	c	$\frac{g^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{g^{IV}}{D/b}$
0	0.10849	2.0229	2.0470	0.011770	0.049321	1.8249
.1	.11244	2.0089	2.0346	.012644	.052341	1.8058
.2	.11657	1.9945	2.0220	.013589	.055559	1.7863
.3	.12089	1.9797	2.0091	.014615	.058990	1.7662
.4	.12541	1.9645	1.9959	.015727	.062650	1.7456
.5	.13013	1.9488	1.9824	.016935	.066554	1.7244
.6	.13509	1.9327	1.9686	.018249	.070723	1.7027
.7	.14028	1.9161	1.9545	.019679	.075177	1.6803
.8	.14572	1.8989	1.9401	.021237	.079937	1.6574
.9	.15145	1.8812	1.9253	.022938	.085028	1.6337
1.0	.15747	1.8628	1.9102	.024796	.090477	1.6094
1.1	.16380	1.8438	1.8947	.026829	.096311	1.5843
1.2	.17046	1.8242	1.8788	.029057	.10256	1.5585
1.3	.17749	1.8057	1.8624	.031502	.10927	1.5319
1.4	.18490	1.7825	1.8456	.034189	.11646	1.5044
1.5	.19274	1.7605	1.8284	.037147	.12419	1.4760
1.6	.20102	1.7375	1.8107	.040410	.13249	1.4467
1.7	.20980	1.7136	1.7925	.044016	.14142	1.4164
1.8	.21911	1.6885	1.7737	.048008	.15103	1.3851
1.9	.22899	1.6624	1.7544	.052438	.16159	1.3526
2.0	.23951	1.6349	1.7344	.057364	.17257	1.3190
2.1	.25071	1.6062	1.7159	.062855	.18463	1.2842
2.2	.26266	1.5759	1.6926	.068991	.19766	1.2481
2.3	.27544	1.5440	1.6707	.075866	.21176	1.2105
2.4	.28912	1.5102	1.6480	.083592	.22759	1.1715
2.5	.30381	1.4746	1.6245	.092301	.24359	1.1310
2.6	.31961	1.4367	1.6002	.10215	.26156	1.0887
2.7	.33664	1.3964	1.5749	.11333	.28109	1.0447
2.8	.35505	1.3535	1.5487	.12606	.30235	.99884
2.9	.37500	1.3075	1.5215	.14062	.32552	.95092
3.0	.39668	1.2582	1.4931	.15736	.35081	.90082
3.1	.42033	1.2050	1.4636	.17668	.37845	.84840
3.2	.44620	1.1475	1.4328	.19910	.40872	.79347
3.3	.47463	1.0851	1.4006	.22527	.44192	.73584
3.4	.50598	1.0170	1.3670	.25601	.47839	.67532
3.5	.54072	.94257	1.3317	.29238	.51854	.61165

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TABLE I.- Continued

λ/b = 0.80

k	C	$\frac{s^{II}}{D/b}$	$\frac{s}{D/b}$	C^2	$\frac{s^2 C^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
3.6	0.61001	0.78611	1.2520	0.37212	0.58330	0.48827
3.7	.65539	.69235	1.2137	.42954	.63271	.41824
3.8	.70655	.58762	1.1734	.49921	.68731	.34433
3.9	.76462	.46975	1.1310	.58464	.74779	.26620
4.0	.83109	.33595	1.0862	.69071	.81493	.18347
4.1	.90789	.18258	1.0389	.82426	.88968	.095700
4.2	.99757	.0048095	.98886	.99514	.97310	.0024077
4.3	1.1036	-.20596	.93575	1.2180	1.0665	-.096958
4.4	1.2309	-.45293	.87926	1.5151	1.1713	-.20302
4.5	1.3864	-.75533	.81905	1.9222	1.2895	-.31651
4.6	1.5807	-1.1309	.75469	2.4985	1.4231	-.43823
4.7	1.8300	-1.6107	.68573	3.3489	1.5747	-.56915
4.8	2.1615	-2.2458	.61159	4.6720	1.7475	-.71035
4.9	2.6235	-3.1275	.53165	6.8826	1.9454	-.86313
5.0	3.3115	-4.4365	.44515	10.966	2.1731	-1.0290
5.1	4.4445	-6.5862	.35120	19.754	2.4364	-1.2097
5.2	6.6582	-10.778	.24874	44.331	2.7428	-1.4074
5.3	12.903	-22.587	.13649	166.48	3.1015	-1.6246
5.4	145.22	-272.63	.012927	21090.	3.5245	-1.8644
5.5	-16.205	32.396	-.12384	262.61	4.0272	-2.1306
5.6	-7.7925	16.491	-.27612	60.723	4.6297	-2.4278
5.7	-5.1809	11.547	-.44682	26.842	5.3589	-2.7618
5.8	-3.9090	9.1338	-.63962	15.280	6.2512	-3.1399
5.9	-3.1566	7.7026	-.85927	9.9642	7.3569	-3.5716
6.0	-2.6600	6.7546	-1.1118	7.0755	8.7457	-4.0691
6.1	-2.3076	6.0792	-1.4055	5.3252	10.520	-4.6490
6.2	-2.0449	5.5728	-1.7516	4.1815	12.830	-5.3335
6.3	-1.8415	5.1788	-2.1658	3.3912	15.907	-6.1541
6.4	-1.6796	4.8629	-2.6705	2.8210	20.118	-7.1558
6.5	-1.5476	4.6036	-3.2996	2.3952	26.077	-8.4062
6.6	-1.4382	4.3866	-4.1061	2.0683	34.872	-10.011
6.7	-1.3459	4.2021	-5.1782	1.8115	48.573	-12.148
6.8	-1.2672	4.0431	-6.6740	1.6058	71.525	-15.131
6.9	-1.1993	3.9044	-8.9084	1.4383	114.14	-19.592
7.0	-1.1401	3.7822	-12.611	1.2999	206.73	-26.989

TABLE I.- Continued

λ/b = 0.80

k	C	$\frac{s^{II}}{D/b}$	$\frac{s}{D/b}$	C^2	$\frac{s^2 C^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
0	0.11612	1.9740	2.0010	0.013485	0.053992	1.7686
.1	.12029	1.9598	1.9886	.014470	.057223	1.7494
.2	.12464	1.9453	1.9760	.015536	.060661	1.7297
.3	.12919	1.9303	1.9631	.016691	.064321	1.7094
.4	.13395	1.9149	1.9499	.017943	.068220	1.6887
.5	.13893	1.8990	1.9364	.019302	.072375	1.6674
.6	.14415	1.8827	1.9226	.020778	.076806	1.6455
.7	.14961	1.8658	1.9085	.022384	.081534	1.6230
.8	.15535	1.8484	1.8941	.024133	.086580	1.5998
.9	.16137	1.8304	1.8793	.026040	.091970	1.5760
1.0	.16770	1.8118	1.8642	.028123	.097731	1.5516
1.1	.17435	1.7925	1.8487	.030399	.10389	1.5264
1.2	.18136	1.7725	1.8328	.032891	.11048	1.5004
1.3	.18875	1.7517	1.8164	.035625	.11754	1.4736
1.4	.19654	1.7302	1.7995	.038627	.12511	1.4460
1.5	.20477	1.7077	1.7825	.041920	.13322	1.4175
1.6	.21347	1.6844	1.7648	.045570	.14193	1.3881
1.7	.22269	1.6600	1.7466	.049590	.15128	1.3576
1.8	.23246	1.6345	1.7279	.054039	.16133	1.3262
1.9	.24284	1.6078	1.7086	.058971	.17215	1.2937
2.0	.25387	1.5798	1.6887	.064452	.18379	1.2600
2.1	.26563	1.5505	1.6682	.070557	.19635	1.2251
2.2	.27817	1.5196	1.6470	.077376	.20989	1.1889
2.3	.29157	1.4870	1.6251	.085011	.22452	1.1513
2.4	.30592	1.4526	1.6025	.093586	.24034	1.1123
2.5	.32132	1.4161	1.5791	.10324	.25746	1.0717
2.6	.33788	1.3774	1.5549	.11416	.27601	1.0295
2.7	.35573	1.3362	1.5298	.12654	.29614	.98559
2.8	.37502	1.2922	1.5037	.14064	.31801	.93979
2.9	.39592	1.2452	1.4766	.15676	.34180	.89200
3.0	.41864	1.1946	1.4485	.17526	.36771	.84208
3.1	.44341	1.1401	1.4192	.19662	.39599	.78988
3.2	.47052	1.0812	1.3886	.22139	.42688	.73524
3.3	.50028	1.0172	1.3567	.25028	.46069	.67797
3.4	.53312	.94727	1.3234	.28421	.49777	.61787
3.5	.56950	.87063	1.2885	.32433	.53849	.55472

TABLE I.— Continued

$\lambda/b = 0.82$

k	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.638108	0.719697	1.21403	0.407182	0.600129	0.439347
3.7	.585158	.524102	1.17631	.469142	.649573	.370352
3.8	.738167	.517532	1.13672	.544890	.704070	.297631
3.9	.798344	.397182	1.09509	.637705	.764265	.220864
4.0	.867115	.260823	1.05123	.751889	.830906	.159693
4.1	.946547	.104565	1.00496	.895952	.904864	.0537180
4.2	1.03924	-.0764942	.956045	1.05001	.987154	-.075112
4.3	1.14875	-.289015	.904229	1.31963	1.07397	-.134504
4.4	1.28006	-.542282	.849225	1.63856	1.18170	-.277836
4.5	1.44032	-.849635	.790705	2.07453	1.29702	-.348165
4.6	1.64018	-1.23096	.728293	2.69020	1.42691	-.466211
4.7	1.99625	-1.71726	.561559	3.59578	1.57373	-.592924
4.8	2.23594	-2.35968	.590005	4.99942	1.74033	-.729210
4.9	2.70791	-3.24906	.513054	7.33279	1.93017	-.875251
5.0	3.40770	-4.56372	.430034	11.5124	2.14748	-1.05540
5.1	4.55198	-6.70803	.340154	20.7206	2.39747	-1.20822
5.2	6.75967	-10.8371	.242479	45.6931	2.68657	-1.39660
5.3	12.7939	-22.1081	.135897	163.683	3.02289	-1.82935
5.4	96.9180	-179.126	.0190720	9393.11	3.41666	-2.07963
5.5	-17.9726	35.2966	-.109612	323.014	3.88095	-2.35754
5.6	-8.35037	17.3288	-.252133	69.7287	4.43272	-2.66797
5.7	-5.49245	11.9857	-.140933	30.1671	5.09420	-3.01702
5.8	-4.12169	9.41821	-.589068	16.9883	5.99497	-3.41245
5.9	-3.31732	7.90776	-.790410	11.0046	6.87511	-3.84422
6.0	-2.78868	6.91184	-1.01994	7.77672	8.08991	-4.38534
6.1	-2.41493	6.20493	-1.28417	5.83187	9.61727	-4.99322
6.2	-2.13684	5.57651	-1.59180	3.59404	11.5697	-5.71159
6.3	-1.92199	5.26602	-1.95469	3.06635	14.1143	-6.57571
6.4	-1.75110	4.93750	-2.38949	2.59861	17.5077	-7.62767
6.5	-1.61202	4.66828	-2.92022		22.1601	-8.94572
6.6	-1.49670	4.44332	-3.58302	2.24010	28.7586	-10.2416
6.7	-1.39959	4.25227	-4.43476	1.95885	38.5249	-12.9053
6.8	-1.31675	4.08777	-5.57043	1.73963	53.8004	-16.0799
6.9	-1.24530	3.94445	-7.16156	1.55078	79.5363	-20.8543
7.0	-1.18309	3.81828	-9.55263	1.39971	127.727	

TABLE I.— Continued

$\lambda/b = 0.82$

k	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.123771	1.92769	1.95766	0.0153192	0.0587112	1.71538
.1	.126145	1.91137	1.94532	.0164212	.0621419	1.69603
.2	.132712	1.89066	1.93270	.0176126	.0657885	1.67620
.3	.137484	1.88552	1.91981	.0189019	.0696661	1.65566
.4	.142473	1.86794	1.90664	.0202987	.0727913	1.63500
.5	.147693	1.85189	1.89319	.0218133	.0781822	1.61358
.6	.153159	1.83534	1.87943	.0234575	.0828582	1.59158
.7	.158885	1.81827	1.86536	.0252445	.0878404	1.56898
.8	.164891	1.80064	1.85097	.0271891	.0931519	1.54576
.9	.171195	1.78241	1.83623	.0293076	.0988175	1.52188
1.0	.177317	1.76355	1.82213	.0316188	.104865	1.49731
1.1	.184730	1.74401	1.80566	.0341136	.111323	1.47201
1.2	.192109	1.72375	1.78980	.0369058	.118225	1.44597
1.3	.199831	1.70271	1.77353	.0399324	.125604	1.41913
1.4	.207976	1.68084	1.75683	.0432540	.133502	1.39145
1.5	.216577	1.65808	1.73968	.0469055	.141959	1.36291
1.6	.225670	1.63435	1.72205	.0509268	.151022	1.33344
1.7	.235295	1.60959	1.70393	.0553638	.160742	1.30500
1.8	.245498	1.58571	1.68608	.0602692	.171175	1.27155
1.9	.256328	1.55661	1.66608	.0657039	.182385	1.23902
2.0	.267841	1.52820	1.64630	.0717386	.194433	1.20535
2.1	.280099	1.49834	1.62590	.0784554	.207401	1.17049
2.2	.291173	1.46692	1.50486	.0859504	.221711	1.13436
2.3	.307142	1.43378	1.58315	.0943362	.236434	1.09688
2.4	.322096	1.39876	1.56067	.103746	.252692	1.05798
2.5	.338137	1.36165	1.53744	.114336	.270259	1.01758
2.6	.355381	1.32226	1.51339	.126296	.289263	.975562
2.7	.372363	1.28032	1.48848	.139849	.309845	.931843
2.8	.394078	1.23554	1.46264	.155266	.332163	.886306
2.9	.415783	1.18760	1.43582	.172875	.356395	.838829
3.0	.439408	1.13610	1.40794	.193079	.382741	.789282
3.1	.465157	1.08058	1.37894	.216371	.411426	.737518
3.2	.493319	1.02051	1.34874	.243364	.442704	.683381
3.3	.521238	.95235	1.31725	.274826	.476863	.628697
3.4	.558326	.883997	1.28437	.311728	.514229	.567273
3.5	.596080	.805862	1.25000	.355311	.555176	.504901

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TABLE I.— Continued

$\lambda/b = 0.84$

k	σ	$\frac{sII}{D/b}$	$\frac{a}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
3.6	0.663575	0.660637	1.18041	0.440331	0.613540	0.397119
3.7	.711916	.563915	1.14344	.506825	.662648	.329405
3.8	.766325	.455949	1.10467	.587254	.716629	.258134
3.9	.827995	.334538	1.06397	.685575	.776087	.183008
4.0	.698451	.196863	1.02115	.807215	.841721	.103696
4.1	.979683	.0392579	.976040	.959778	.914338	.0198304
4.2	1.07432	-.143136	.928430	1.15417	.994875	-.069039
4.3	1.18594	-.356904	.878087	1.40646	1.08443	-.163272
4.4	1.31949	-.611188	.824746	1.74106	1.18428	-.263501
4.5	1.48207	-.919074	.768111	2.19654	1.29595	-.370285
4.6	1.68420	-1.29997	.707842	2.83652	1.42121	-.484303
4.7	1.94216	-1.78531	.643551	3.77200	1.56221	-.606331
4.8	2.28265	-2.42016	.574793	5.21048	1.72148	-.737258
4.9	2.75252	-3.29513	.501055	7.57639	1.90210	-.878111
5.0	3.44266	-4.57609	.421740	11.8505	2.10779	-1.03008
5.1	4.55361	-6.63412	.336154	20.7354	2.34309	-1.19456
5.2	6.63980	-10.4908	.243480	44.0870	2.61359	-1.37318
5.3	11.9830	-20.3556	.142754	143.593	2.92622	-1.56787
5.4	55.2523	-100.181	-.0358266	3052.82	3.28967	-1.78092
5.5	-21.9825	42.2816	-.0876793	483.230	3.71491	-2.01509
5.6	-9.31482	18.9056	-.220432	86.7658	4.21599	-2.27372
5.7	-5.96892	12.7248	-.367472	35.6281	4.81106	-2.56089
5.8	-4.42754	9.86537	-.531318	19.5677	5.35395	-2.88163
5.9	-3.53384	8.21532	-.715120	14.4880	6.23634	-3.24224
6.0	-2.95583	7.14016	-.922869	8.73692	7.44112	-3.65071
6.1	-2.55033	6.38315	-1.15970	6.50416	8.74740	-4.11730
6.2	-2.25029	5.82061	-1.43231	5.06779	10.3884	-4.65542
6.3	-2.01942	5.38561	-1.74967	4.07807	12.4844	-5.28209
6.4	-1.83639	5.03875	-2.12398	3.37232	15.2135	-6.02442
6.5	-1.68780	4.75536	-2.57233	2.84866	18.8493	-6.91391
6.6	-1.56484	4.51918	-3.11945	2.44871	23.8283	-8.00087
6.7	-1.46146	4.31905	-3.80240	2.13588	30.3810	-9.35946
6.8	-1.37340	4.14709	-4.67949	1.83623	41.3039	-11.1063
6.9	-1.29753	3.99753	-5.84798	1.68357	57.5764	-13.4359
7.0	-1.23162	3.86610	-7.47953	1.51689	84.8600	-16.6915

TABLE I.— Continued

$\lambda/b = 0.84$

k	σ	$\frac{sII}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{sIV}{D/b}$
0	0.131410	1.88379	1.91689	0.0172685	0.0634526	1.66499
.1	.135981	1.86934	1.90456	.0184909	.0670728	1.64558
.2	.140753	1.85449	1.89198	.0198113	.0709159	1.62567
.3	.145736	1.83922	1.87913	.0212390	.0749974	1.60527
.4	.150944	1.82349	1.86601	.0227842	.0793340	1.58434
.5	.156392	1.80729	1.85260	.0244583	.0839440	1.56287
.6	.162093	1.79058	1.83889	.0262742	.0884668	1.54082
.7	.168065	1.77333	1.82488	.0282459	.0940640	1.51818
.8	.174326	1.75552	1.81054	.0303896	.0996186	1.49491
.9	.180895	1.73710	1.79586	.0327230	.105536	1.47100
1.0	.187793	1.71803	1.78083	.0352663	.111842	1.44640
1.1	.195044	1.69827	1.76543	.0380423	.118569	1.42110
1.2	.202673	1.67778	1.74965	.0410765	.125747	1.39504
1.3	.210709	1.65650	1.73346	.0443981	.133412	1.36821
1.4	.219181	1.63437	1.71685	.0480402	.141602	1.34055
1.5	.228124	1.61134	1.69980	.0520404	.150361	1.31203
1.6	.237575	1.58733	1.68228	.0564416	.159733	1.28261
1.7	.247575	1.56226	1.66427	.0612934	.169769	1.25224
1.8	.256171	1.53605	1.64574	.0666623	.180526	1.22086
1.9	.269414	1.50861	1.62668	.0725839	.192063	1.18843
2.0	.281361	1.47982	1.60704	.0791639	.204448	1.15488
2.1	.294076	1.44958	1.58681	.0864807	.217754	1.12016
2.2	.307631	1.41774	1.56594	.0946370	.232065	1.08420
2.3	.322108	1.38416	1.54440	.103754	.247469	1.04693
2.4	.337599	1.34866	1.52215	.113973	.264067	1.00827
2.5	.354207	1.31106	1.49915	.125463	.281970	.968138
2.6	.372054	1.27113	1.47535	.138424	.301302	.926441
2.7	.391275	1.22861	1.45071	.153096	.322200	.883084
2.8	.412029	1.18323	1.42517	.169768	.344818	.837962
2.9	.434498	1.13463	1.39868	.188788	.369328	.790958
3.0	.458895	1.08242	1.37117	.210584	.395922	.741948
3.1	.485470	1.02615	1.34257	.235681	.424817	.690795
3.2	.514518	.965276	1.31282	.264728	.456256	.637349
3.3	.546387	.899143	1.28181	.298539	.490514	.581447
3.4	.581498	.826981	1.24948	.338140	.527904	.522910
3.5	.620355	.747858	1.21571	.384840	.568778	.461540

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.86$

k	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ²	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.686363	0.608617	1.15071	0.471095	0.623794	0.360905
3.7	.755621	.511439	1.11458	.541138	.672255	.294672
3.8	.790983	.403077	1.07675	.625654	.725376	.225059
3.9	.853335	.281366	1.03707	.728692	.783724	.151782
4.0	.925089	.143548	.995404	.855789	.847941	.0745668
4.1	1.00731	-.0139576	.951572	1.01467	.918770	-.00695338
4.2	1.10288	-.195876	.905388	1.21635	.997071	-.0931467
4.3	1.21520	-.408587	.856640	1.47696	1.08384	-.184437
4.4	1.34940	-.660884	.805090	1.82088	1.18024	-.281299
4.5	1.51204	-.965303	.750470	2.28626	1.28764	-.384271
4.6	1.71333	-1.34028	.692474	2.93550	1.40763	-.493963
4.7	1.96878	-1.81412	.630757	3.87609	1.54212	-.611065
4.8	2.30349	-2.43258	.564923	5.30604	1.69336	-.736369
4.9	2.76087	-3.27491	.494518	7.62242	1.86405	-.870783
5.0	3.42318	-4.49109	.419018	11.7181	2.05742	-1.01535
5.1	4.46726	-6.40378	.337816	19.9564	2.27742	-1.17130
5.2	6.35570	-9.85681	.250205	40.3949	2.52883	-1.34002
5.3	10.8047	-17.9808	.155354	116.741	2.81753	-1.52320
5.4	33.9509	-60.2125	.0522832	1152.66	3.15083	-1.72278
5.5	-31.2576	58.7728	-.0601749	977.036	3.55786	-1.94109
5.6	-10.8906	21.5709	-.183418	118.605	3.99013	-2.18095
5.7	-6.66355	13.8515	-.319137	44.4028	4.52236	-2.44572
5.8	-4.84629	10.5097	-.469398	27.3897	5.15355	-2.73954
5.9	-3.87745	8.64256	-.636748	14.5730	5.90858	-3.06751
6.0	-3.16800	7.44921	-.824370	10.0363	6.82049	-3.43598
6.1	-2.71809	6.61979	-1.03629	7.38799	7.93388	-3.85300
6.2	-2.38815	6.00917	-1.27766	5.70525	9.31011	-4.32891
6.3	-2.13597	5.54052	-1.55524	4.56235	11.0355	-4.87719
6.4	-1.93705	5.16858	-1.87800	3.75218	13.2335	-5.51578
6.5	-1.77623	4.86626	-2.25813	3.15499	16.0878	-6.26909
6.6	-1.64358	4.61526	-2.71269	2.70136	19.8784	-7.17121
6.7	-1.53236	4.40329	-3.26619	2.34814	25.0500	-8.27119
6.8	-1.43783	4.22167	-3.95529	2.06735	32.3423	-9.64232
6.9	-1.35653	4.06413	-4.83728	1.84017	43.0586	-11.3992
7.0	-1.28591	3.92600	-6.00702	1.65357	59.6680	-13.7315

TABLE I.- Continued

$\dfrac{\lambda}{b} = 0.86$

k	σ	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	σ²	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
0	0.139021	1.84213	1.87843	0.0193267	0.0681946	1.61729
.1	.143779	1.82758	1.86616	.0206724	.0719927	1.59784
.2	.148744	1.81262	1.85363	.0221248	.0760194	1.57791
.3	.153927	1.79723	1.84084	.0236936	.0802905	1.55749
.4	.159342	1.78138	1.82778	.0253900	.0848229	1.53654
.5	.165004	1.76504	1.81444	.0272263	.0896346	1.51505
.6	.170927	1.74820	1.80081	.0292161	.0947455	1.49300
.7	.177129	1.73081	1.78687	.0313748	.100177	1.47036
.8	.183628	1.71284	1.77261	.0337194	.105952	1.44711
.9	.190445	1.69426	1.75802	.0362692	.112095	1.42322
1.0	.197600	1.67505	1.74309	.0390457	.118634	1.39865
1.1	.205118	1.65509	1.72779	.0420733	.125599	1.37359
1.2	.213024	1.63441	1.71211	.0453793	.133021	1.34759
1.3	.221348	1.61294	1.69603	.0489950	.140935	1.32062
1.4	.230121	1.59060	1.67954	.0529555	.149380	1.29304
1.5	.239376	1.56735	1.66262	.0573011	.158397	1.26463
1.6	.249154	1.54310	1.64524	.0620775	.168032	1.23532
1.7	.259495	1.51779	1.62738	.0673374	.178333	1.20508
1.8	.270446	1.49133	1.60901	.0731411	.189357	1.17386
1.9	.282061	1.46362	1.59012	.0795582	.201162	1.14161
2.0	.294396	1.43455	1.57068	.0866691	.213815	1.10828
2.1	.307518	1.40400	1.55064	.0945673	.227387	1.07379
2.2	.321500	1.37185	1.52999	.103362	.241958	1.03810
2.3	.336423	1.33794	1.50869	.113181	.257617	1.00113
2.4	.352383	1.30209	1.48670	.124174	.274459	.962813
2.5	.369485	1.26412	1.46398	.136519	.292594	.923064
2.6	.387849	1.22380	1.44049	.150427	.312139	.881799
2.7	.407616	1.18089	1.41619	.166150	.333229	.838927
2.8	.428943	1.13508	1.39101	.183992	.356009	.794347
2.9	.452017	1.08604	1.36492	.204320	.380646	.747750
3.0	.477053	1.03357	1.33784	.227580	.407724	.699618
3.1	.504301	.976628	1.30971	.254320	.436248	.649223
3.2	.534059	.915258	1.28047	.285219	.467650	.596625
3.3	.566679	.848623	1.25004	.321125	.501792	.541670
3.4	.602579	.775955	1.21833	.363102	.538967	.484191
3.5	.644269	.696328	1.18526	.412509	.579508	.424004

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TABLE I.— Continued

$\dfrac{\lambda}{b} = 0.88$

k	O	$\dfrac{g^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{g^{IV}}{D/b}$
3.6	0.706489	0.563249	1.12453	0.499127	0.631184	0.330063
3.7	.756303	.466836	1.08932	.571994	.678738	.265464
3.8	.812192	.358210	1.05249	.659670	.730726	.197667
3.9	.875315	.237079	1.01393	.766177	.787665	.126421
4.0	.947149	.100179	.973483	.897092	.850146	.0514493
4.1	1.02960	-.0559278	.931009	1.06007	.918847	-.0275561
4.2	1.12516	-.235761	.886333	1.26600	.994548	-.110938
4.3	1.23721	-.445379	.832262	1.53068	1.07815	-.199078
4.4	1.37033	-.593100	.769584	1.87780	1.17070	-.292467
4.5	1.53104	-.990658	.737056	2.34407	1.27342	-.391404
4.6	1.72881	-1.35516	.681407	2.98877	1.38773	-.496614
4.8	1.97802	-1.51258	.622330	3.91257	1.51522	-.608651
4.8	2.30161	-2.40428	.559474	5.29740	1.65814	-.728216
4.9	2.73849	-2.73054	.492441	7.49933	1.81657	-.856104
5.0	3.36049	-4.33098	.420773	11.2929	1.99941	-.993231
5.1	4.31639	-6.06415	.343944	18.6312	2.20402	-1.14065
5.2	5.97274	-9.06167	.253142	35.5736	2.43650	-1.29959
5.3	9.54220	-15.5124	.172257	91.0536	2.70179	-1.47145
5.4	22.9561	-39.5517	.0758562	522.403	3.00599	-1.65792
5.5	-63.5200	116.347	-.0288431	4034.79	3.35665	-1.86096
5.6	-13.5649	26.1713	-.143008	184.006	3.76315	-2.08289
5.7	-7.67992	15.5409	-.266034	58.9812	4.23734	-2.32652
5.8	-5.39822	11.1145	-.405609	29.1415	4.79453	-2.59520
5.9	-4.18668	9.21928	-.557788	17.5283	5.34353	-2.89307
6.0	-3.43565	7.85539	-.727100	11.8057	6.34032	-3.22516
6.1	-2.92474	6.32402	-.916697	8.55410	7.18830	-3.59780
6.2	-2.51482	6.24869	-1.13056	6.52710	8.34265	-4.01872
6.3	-2.27473	5.33465	-1.27376	5.17441	9.76528	-4.49871
6.4	-2.05540	5.33021	-1.65294	4.22468	11.5427	-5.05040
6.5	-1.87908	5.00333	-1.97686	3.55095	13.7988	-5.69154
6.6	-1.73432	4.73335	-2.35740	3.00787	16.7157	-6.44588
6.7	-1.61341	4.50635	-2.81105	2.60309	20.5396	-7.34642
6.8	-1.51095	4.31260	-3.26142	2.28297	25.7956	-8.44035
6.9	-1.42307	4.14510	-3.04347	2.02513	33.1102	-9.79762
7.0	-1.34691	3.99868	-4.91136	1.81417	42.7604	-11.5265

TABLE I.— Continued

$\dfrac{\lambda}{b} = 0.88$

k	c	$\dfrac{g^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{g^{IV}}{D/b}$
0	0.146585	1.80257	1.84216	0.0214873	0.0729181	1.57212
.1	.151520	1.78794	1.82995	.0229585	.0768814	1.55268
.2	.156667	1.77289	1.81750	.0245447	.0810782	1.53275
.3	.162039	1.75740	1.80479	.0262565	.0855241	1.51234
.4	.167648	1.74145	1.79181	.0281058	.0902359	1.49142
.5	.173510	1.72501	1.77856	.0301056	.0952317	1.46996
.6	.179640	1.70806	1.76501	.0322705	.100531	1.44795
.7	.186056	1.69055	1.75117	.0346168	.106156	1.42536
.8	.192776	1.67246	1.73702	.0371627	.112128	1.40216
.9	.199821	1.65376	1.72253	.0399286	.118473	1.37833
1.0	.207213	1.63439	1.70771	.0429374	.125217	1.35385
1.1	.214977	1.61431	1.69253	.0462149	.132391	1.32868
1.2	.223137	1.59316	1.67699	.0497902	.140024	1.30279
1.3	.231724	1.57186	1.66105	.0536962	.148153	1.27614
1.4	.240770	1.54936	1.64471	.0579702	.156863	1.24871
1.5	.250309	1.52594	1.62794	.0626547	.166047	1.22045
1.6	.260380	1.50153	1.61073	.0677980	.175899	1.19133
1.7	.271027	1.47603	1.59305	.0734555	.186417	1.16129
1.8	.282296	1.44938	1.57489	.0796908	.197654	1.13030
1.9	.294240	1.42147	1.55620	.0865770	.209670	1.09831
2.0	.306918	1.39220	1.53698	.0941987	.222526	1.06525
2.1	.320396	1.36144	1.51719	.102654	.236295	1.03109
2.2	.334749	1.32907	1.49680	.112057	.251053	.995747
2.3	.350059	1.29493	1.47578	.122541	.266884	.959747
2.4	.366420	1.25886	1.45409	.134283	.283883	.921281
2.5	.383939	1.22065	1.43169	.147409	.302152	.882011
2.6	.402738	1.18009	1.40856	.162198	.321807	.841277
2.7	.422957	1.13693	1.38463	.178893	.342974	.798993
2.8	.444755	1.09058	1.35987	.197807	.365749	.755062
2.9	.468317	1.04160	1.33422	.219321	.390424	.709385
3.0	.493858	.988708	1.30763	.243896	.417039	.661849
3.1	.521629	.931747	1.28004	.272097	.445834	.612335
3.2	.551927	.870183	1.25138	.304623	.477028	.560712
3.3	.585100	.803386	1.22158	.342341	.510866	.508836
3.4	.621565	.730601	1.19057	.386343	.547624	.450553
3.5	.661825	.650922	1.15825	.438013	.587613	.391691

TABLE I.- Continued

λ/b = 0.90

k	σ	$\frac{s^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
3.6	0.72402	0.52409	1.1015	0.52420	0.63602	0.30399
3.7	.77406	.42780	1.0673	.59916	.68246	.24114
3.8	.83008	.32076	1.0315	.68903	.73310	.17527
3.9	.89321	.20099	.99408	.79782	.78840	.10616
4.0	.96486	.065995	.95492	.93095	.84891	.033557
4.1	1.0469	-.087652	.91385	1.0959	.91523	-.042823
4.2	1.1416	-.26403	.87074	1.3032	.98808	-.12329
4.3	1.2522	-.46886	.82539	1.5681	1.0683	-.20818
4.4	1.3831	-.70987	.77762	1.9129	1.1567	-.29788
4.5	1.5402	-.99785	.72722	2.3721	1.2545	-.39283
4.6	1.7322	-1.3484	.67395	3.0007	1.3629	-.49350
4.7	1.9725	-1.7847	.61752	3.8901	1.4834	-.60043
4.8	2.2809	-2.3434	.55764	5.2023	1.6177	-.71426
4.9	2.6918	-3.0851	.49396	7.2456	1.7679	-.83566
5.0	3.2659	-4.1185	.42607	10.666	1.9363	-.96544
5.1	4.1243	-5.6598	.35352	17.010	2.1258	-1.1045
5.2	5.5466	-8.2088	.27579	30.765	2.3400	-1.2559
5.3	8.3586	-13.241	.19227	69.866	2.5829	-1.4119
5.4	16.537	-27.862	.10226	273.46	2.8596	-1.5888
5.5	361.74	-644.69	.0049269	130850.	3.1764	-1.7773
5.6	-18.687	35.062	-.10070	349.19	3.5407	-1.9824
5.7	-9.2257	18.148	-.21576	85.114	3.9623	-2.2063
5.8	-6.1767	12.692	-.34184	38.151	4.4529	-2.4518
5.9	-4.6715	9.9949	-.47999	21.823	5.0279	-2.7223
6.0	-3.7748	8.3846	-.63283	14.249	5.7065	-3.0217
6.1	-3.1800	7.3136	-.80262	10.112	6.5112	-3.3549
6.2	-2.7566	6.5490	-.99245	7.5989	7.4844	-3.7282
6.3	-2.4401	5.9752	-1.2061	5.9541	8.6616	-4.1492
6.4	-2.1946	5.5285	-1.4486	4.8163	10.107	-4.6277
6.5	-1.9987	5.1701	-1.7262	3.9950	11.905	-5.1765
6.6	-1.8389	4.8761	-2.0474	3.3816	14.175	-5.8124
6.7	-1.7061	4.6305	-2.4234	2.9107	17.094	-6.5578
6.8	-1.5940	4.4215	-2.8697	2.5407	20.924	-7.4440
6.9	-1.4981	4.2417	-3.4085	2.2445	26.076	-8.5150
7.0	-1.4153	4.0851	-4.0721	2.0032	33.217	-9.8356

TABLE I.- Continued

λ/b = 0.90

k	σ	$\frac{s^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{s^{IV}}{D/b}$
0	0.15409	1.7650	1.8079	0.023743	0.077605	1.5293
.1	.15919	1.7503	1.7958	.025341	.081720	1.5099
.2	.16451	1.7352	1.7834	.027062	.086074	1.4900
.3	.17005	1.7196	1.7708	.028918	.090679	1.4697
.4	.17584	1.7036	1.7579	.030921	.09554	1.4488
.5	.18189	1.6871	1.7448	.033084	.10072	1.4274
.6	.18821	1.6700	1.7313	.035424	.10619	1.4055
.7	.19483	1.6524	1.7176	.037957	.11198	1.3830
.8	.20175	1.6342	1.7036	.040705	.11813	1.3599
.9	.20901	1.6154	1.6892	.043683	.12465	1.3362
1.0	.21661	1.5960	1.6745	.046922	.13157	1.3118
1.1	.22460	1.5758	1.6595	.050446	.13893	1.2868
1.2	.23299	1.5549	1.6441	.054286	.14674	1.2610
1.3	.24182	1.5331	1.6283	.058476	.15505	1.2346
1.4	.25111	1.5105	1.6122	.063056	.16389	1.2073
1.5	.26090	1.4870	1.5956	.068070	.17330	1.1793
1.6	.27123	1.4624	1.5786	.073568	.18332	1.1504
1.7	.28215	1.4368	1.5611	.079609	.19401	1.1206
1.8	.29370	1.4100	1.5432	.086259	.20541	1.0899
1.9	.30593	1.3820	1.5247	.093594	.21758	1.0583
2.0	.31891	1.3526	1.5057	.10170	.23059	1.0256
2.1	.33269	1.3217	1.4862	.11068	.24449	.99177
2.2	.34736	1.2892	1.4661	.12066	.25936	.95686
2.3	.36300	1.2551	1.4454	.13177	.27529	.92074
2.4	.37969	1.2188	1.4241	.14417	.29237	.88336
2.5	.39756	1.1804	1.4020	.15805	.31068	.84465
2.6	.41671	1.1398	1.3793	.17365	.33035	.80453
2.7	.43729	1.0965	1.3558	.19122	.35150	.76292
2.8	.45945	1.0504	1.3315	.21110	.37425	.71973
2.9	.48339	1.0011	1.3063	.23367	.39875	.67486
3.0	.50931	.94818	1.2803	.25940	.42518	.62822
3.1	.53746	.89124	1.2533	.28886	.45371	.57968
3.2	.56813	.82976	1.2252	.32278	.48455	.52914
3.3	.60167	.76311	1.1961	.36201	.51793	.47645
3.4	.63849	.69057	1.1658	.40767	.55410	.42146
3.5	.67907	.61125	1.1343	.46114	.59335	.36404

TABLE I.— Continued

$\Delta/b = 0.92$

k	C	$\dfrac{s_{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2 C^2}{(D/b)^2}$	$\dfrac{s_{IV}}{D/b}$
3.6	0.739066	0.49658	1.08126	0.546218	0.638602	0.282139
3.7	.789020	.395572	1.04802	.622553	.683778	.221111
3.8	.844821	.290098	1.01335	.713723	.733900	.157250
3.9	.907539	.172342	.977139	.823626	.786298	.0903476
4.0	.978520	.0399188	.939285	.957501	.844761	.0201761
4.1	1.05949	-.110217	.899658	1.12251	.908543	-.0533166
4.2	1.15267	-.282019	.858120	1.32865	.978375	-.131009
4.3	1.26103	-.480715	.815514	1.59019	1.05498	-.212609
4.4	1.38854	-.713364	.768670	1.92805	1.13920	-.298661
4.5	1.54074	-.989733	.720397	2.37387	1.23197	-.389546
4.6	1.72547	-1.32374	.669481	2.97726	1.33442	-.485691
4.7	1.95435	-1.73591	.615682	3.81948	1.44783	-.587576
4.8	2.24522	-2.25783	.558731	5.04099	1.57370	-.695740
4.9	2.62705	-2.94078	.498322	6.90137	1.71378	-.810792
5.0	3.15020	-3.87389	.434111	9.92374	1.87015	-.933423
5.1	3.91060	-5.22693	.365704	15.2928	2.04525	-1.06442
5.2	5.11641	-7.36829	.292652	26.1776	2.24199	-1.20468
5.3	7.31986	-11.2753	.214440	53.5804	2.46386	-1.35523
5.4	12.6292	-20.6792	.130470	152.497	2.71504	-1.51727
5.5	43.2484	-74.8760	.0400530	1870.42	3.00061	-1.69218
5.6	-31.6552	57.6797	-.0576192	1002.05	3.32678	-1.88156
5.7	-11.7670	22.4743	-.163494	138.463	3.70115	-2.08753
5.8	-7.29487	14.5520	-.278692	53.2152	4.13319	-2.31172
5.9	-5.32159	11.0520	-.404548	28.3193	4.63472	-2.55739
6.0	-4.21050	9.07785	-.542665	17.7283	5.22072	-2.82755
6.1	-3.49808	7.80924	-.694985	12.2366	5.91031	-3.12610
6.2	-3.00259	6.92449	-.863882	9.01555	6.72823	-3.45776
6.3	-2.63818	6.27166	-1.05229	6.96000	7.70694	-3.82843
6.4	-2.35903	5.76967	-1.26389	5.56500	8.88965	-4.24544
6.5	-2.13843	5.37126	-1.50334	4.57289	10.3348	-4.71812
6.6	-1.95980	5.04705	-1.77663	3.84081	12.1231	-5.25845
6.7	-1.81226	4.77782	-2.09161	3.28427	14.3682	-5.88215
6.8	-1.68840	4.55043	-2.45879	2.85068	17.2542	-6.61019
6.9	-1.58299	4.35565	-2.89248	2.50586	20.9651	-7.47124
7.0	-1.49224	4.18676	-3.41280	2.22678	25.9357	-8.50551

TABLE I.— Continued

$\Delta/b = 0.92$

k	$C=$	$\dfrac{s_{II}}{D/b}$	$\dfrac{s}{D/b}$	σ^2	$\dfrac{s^2 C^2}{(D/b)^2}$	$\dfrac{s_{IV}}{D/b}$
0	0.161514	1.72924	1.77556	0.0260867	0.0822413	1.48878
.1	.166769	1.71449	1.76353	.0278120	.0861967	1.46943
.2	.172246	1.69931	1.75127	.0296685	.0909918	1.44962
.3	.177955	1.68370	1.73876	.0316681	.0957418	1.42934
.4	.183913	1.66761	1.72599	.0338239	.100763	1.40856
.5	.190132	1.65101	1.71296	.0361504	.106074	1.38727
.6	.196631	1.63394	1.69965	.0386638	.111693	1.36545
.7	.203426	1.61628	1.68606	.0413821	.117641	1.34307
.8	.210536	1.59804	1.67216	.0443255	.123940	1.32011
.9	.217983	1.57917	1.65795	.0475165	.130614	1.29655
1.0	.225788	1.55964	1.64342	.0509802	.137689	1.27236
1.1	.233976	1.53940	1.62855	.0547449	.145193	1.24751
1.2	.242575	1.51840	1.61333	.0586425	.153157	1.22198
1.3	.251613	1.49659	1.59774	.0630089	.161613	1.19573
1.4	.261122	1.47391	1.58176	.0681849	.170597	1.16873
1.5	.271139	1.45031	1.56539	.0735165	.180147	1.14095
1.6	.281702	1.42570	1.54859	.0793561	.190306	1.11235
1.7	.292854	1.40002	1.53135	.0857637	.201120	1.08289
1.8	.304644	1.37318	1.51366	.0928078	.212637	1.05253
1.9	.317123	1.34508	1.49547	.100567	.224913	1.02123
2.0	.330351	1.31562	1.47679	.109132	.238006	.988930
2.1	.344394	1.28469	1.45757	.118607	.251982	.955591
2.2	.359325	1.25215	1.43779	.129015	.266912	.921157
2.3	.375228	1.21786	1.41743	.140796	.282873	.885569
2.4	.392194	1.18165	1.39644	.153816	.299950	.848766
2.5	.410351	1.14333	1.37481	.168372	.318239	.810681
2.6	.429759	1.10269	1.35248	.184692	.337842	.771243
2.7	.450613	1.05949	1.32944	.203052	.358874	.730375
2.8	.473051	1.01345	1.30562	.223777	.381460	.687995
2.9	.497253	.964252	1.28099	.247261	.405740	.644014
3.0	.523429	.911522	1.25550	.273978	.431868	.598336
3.1	.551822	.854831	1.22910	.304508	.460016	.550856
3.2	.582717	.793671	1.20173	.339559	.490379	.501463
3.3	.616449	.727456	1.17333	.380010	.523165	.450033
3.4	.653417	.655472	1.14384	.426954	.558614	.396435
3.5	.694098	.576879	1.11318	.481772	.596993	.340523

NACA

TABLE I.— Continued

λ/b = 0.94

k	σ	g^II/(D/b)	g/(D/b)	σ²	s²σ²/(D/b)²	g^IV/(D/b)
3.6	0.751770	0.462460	1.06351	0.565158	0.639229	0.263996
3.7	.801375	.368995	1.03129	.642202	.683022	.204841
3.8	.856646	.265554	.997730	.733842	.730515	.143029
3.9	.918594	.150765	.962735	.843814	.782097	.0783728
4.0	.988484	.0212090	.926203	.977101	.838209	.0106659
4.1	1.06792	-.124734	.888021	1.14046	.899348	-.0601184
4.2	1.15899	-.291096	.848064	1.34325	.966080	-.134810
4.3	1.26438	-.482640	.806192	1.59867	1.03905	-.213144
4.4	1.38775	-.705741	.762256	1.92586	1.11899	-.295567
4.5	1.53407	-.969121	.716084	2.35336	1.20675	-.382437
4.6	1.71032	-1.28505	.667488	2.92520	1.30329	-.474132
4.7	1.92668	-1.67134	.616256	3.71209	1.40975	-.571072
4.8	2.19848	-2.15491	.562154	4.83331	1.52741	-.673730
4.9	2.55003	-2.77838	.504915	6.50267	1.65779	-.782635
5.0	3.02229	-3.61357	.444242	9.13424	1.80265	-.898386
5.1	3.69003	-4.79161	.379795	13.6163	1.96407	-1.02166
5.2	4.70584	-6.58011	.311190	22.1450	2.14450	-1.15322
5.3	6.43703	-9.62217	.237989	41.4354	2.34685	-1.29395
5.4	10.0480	-15.9628	.159688	100.962	2.57457	-1.44486
5.5	22.2272	-37.5282	.0757093	494.047	2.83183	-1.60709
5.6	-120.897	213.657	-.0146189	14616.2	3.12364	-1.78200
5.7	-16.5874	30.7251	-.112077	275.143	3.45613	-1.97114
5.8	-9.00256	17.4164	-.217579	81.0461	3.83677	-2.17635
5.9	-6.22379	12.5359	-.332203	38.7356	4.27483	-2.39977
6.0	-4.78258	10.0010	-.457230	22.8731	4.78183	-2.64397
6.1	-3.90080	8.44716	-.594191	15.2162	5.37229	-2.91201
6.2	-3.30587	7.39628	-.744034	10.9288	6.06467	-3.20759
6.3	-2.87755	6.63754	-.911710	8.28052	6.88273	-3.53521
6.4	-2.55458	6.06348	-1.09729	6.52587	7.85745	-3.90041
6.5	-2.30243	5.61359	-1.30512	5.30119	9.02977	-4.31008
6.6	-2.10020	5.25117	-1.53955	4.41084	10.4547	-4.77292
6.7	-1.93446	4.95270	-1.80614	3.74214	12.2074	-5.30005
6.8	-1.79622	4.70239	-2.1121	3.22639	14.3930	-5.90592
6.9	-1.67920	4.48924	-2.46703	2.81970	17.1613	-6.60965
7.0	-1.57891	4.30539	-2.88382	2.49294	20.7324	-7.43711

TABLE I.— Continued

λ/b = 0.94

k	σ	g^II/(D/b)	g/(D/b)	σ²	s²σ²/(D/b)²	g^IV/(D/b)
0	0.168851	1.69522	1.71497	0.0285105	0.0868128	1.45033
.1	.174250	1.68044	1.73306	.0303630	.0911950	1.43107
.2	.179873	1.66523	1.72091	.0323543	.0958182	1.41136
.3	.185717	1.64958	1.70852	.0344964	.100698	1.39119
.4	.191844	1.63346	1.69588	.0368043	.105849	1.37053
.5	.198222	1.61685	1.68298	.0392919	.111291	1.34938
.6	.204882	1.59972	1.66981	.0419765	.117041	1.32770
.7	.211842	1.58203	1.65636	.0448768	.123120	1.30547
.8	.219121	1.56373	1.64261	.0480138	.129550	1.28268
.9	.226740	1.54484	1.62857	.0514108	.136354	1.25921
1.0	.234721	1.52527	1.61421	.0550959	.143556	1.23532
1.1	.243090	1.50500	1.59952	.0590925	.151186	1.21069
1.2	.251872	1.48396	1.58448	.0634396	.159271	1.18540
1.3	.261098	1.46212	1.56909	.0681722	.167843	1.15941
1.4	.270799	1.43942	1.55333	.0733322	.176923	1.13269
1.5	.281011	1.41579	1.53718	.0789673	.186593	1.10521
1.6	.291773	1.39116	1.52062	.0851314	.196847	1.07694
1.7	.303127	1.36547	1.50363	.0918861	.207746	1.04784
1.8	.315121	1.33862	1.48620	.0995014	.219357	1.01787
1.9	.327808	1.31052	1.46831	.107458	.231671	.986984
2.0	.341245	1.28108	1.44992	.116448	.244806	.955143
2.1	.355499	1.25017	1.43103	.126380	.258804	.922297
2.2	.370642	1.21767	1.41159	.137375	.273732	.888396
2.3	.386755	1.18344	1.39159	.149579	.289665	.853387
2.4	.405921	1.14731	1.37100	.163160	.306682	.817210
2.5	.422274	1.10910	1.34978	.178315	.324874	.779804
2.6	.441901	1.06860	1.32791	.195277	.344338	.741103
2.7	.462941	1.02558	1.30534	.214320	.365181	.701094
2.8	.485566	.979763	1.28203	.235774	.387521	.659522
2.9	.509933	.930849	1.25796	.260032	.411190	.616485
3.0	.536254	.878474	1.23306	.287568	.437231	.571829
3.1	.564763	.822224	1.20730	.318957	.464905	.525463
3.2	.595738	.761615	1.18062	.354904	.494689	.477281
3.3	.629503	.696076	1.15297	.396274	.526781	.427171
3.4	.666443	.624933	1.12428	.441146	.561400	.375010
3.5	.707015	.547383	1.09448	.499871	.598791	.320667

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TABLE I.— Continued

$\frac{\lambda}{b} = 0.96$

k	c	$\frac{g^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{g^{IV}}{D/b}$
3.6	0.762297	0.438996	1.04796	0.581096	0.638176	0.249105
3.7	.811320	.347493	1.01677	.658240	.680507	.191845
3.8	.865797	.246472	.984330	.749604	.726296	.132100
3.9	.922675	.134288	.950548	.858726	.775894	.0696993
4.0	.995130	.00889277	.915334	.990285	.829697	.00445724
4.1	1.07265	-.132297	.878587	1.15058	.888150	-.0638299
4.2	1.16114	-.292587	.840195	1.34824	.951758	-.135386
4.3	1.26306	-.476273	.800035	1.59532	1.02109	-.210456
4.4	1.38169	-.689051	.757971	1.90907	1.09680	-.289311
4.5	1.52147	-.938626	.713852	2.31487	1.17963	-.372253
4.6	1.68855	-1.23569	.667514	2.85119	1.27042	-.459614
4.7	1.89171	-1.59553	.618770	3.57856	1.37014	-.551762
4.8	2.14398	-2.04079	.567414	4.59664	1.47993	-.649110
4.9	2.46550	-2.60647	.513217	6.07868	1.60107	-.752119
5.0	2.88916	-3.34975	.455920	8.34725	1.73508	-.861305
5.1	3.47261	-4.37087	.395231	12.0590	1.88371	-.977252
5.2	4.32691	-5.86288	.330822	18.7222	2.04901	-1.10061
5.3	5.69709	-8.25176	.262320	32.4569	2.23341	-1.23214
5.4	8.25131	-12.6991	.189300	68.0841	2.43977	-1.37268
5.5	14.6881	-23.8961	.111278	215.741	2.57150	-1.52319
5.6	61.8323	-105.860	-.0276960	3823.23	2.93267	-1.68481
5.7	-28.9269	51.9292	-.0620909	837.342	3.22819	-1.85881
5.8	-11.8860	22.2803	-.158830	141.278	3.56400	-2.04669
5.9	-7.54305	14.7231	-.263394	56.8977	3.94736	-2.25019
6.0	-5.55868	11.2662	-.376810	30.8989	4.38720	-2.47137
6.1	-4.42217	9.28320	-.500290	19.5556	4.89458	-2.71266
6.2	-3.58602	7.99614	-.635282	13.5868	5.48339	-2.97695
6.3	-3.17052	7.09263	-.783524	10.0522	6.17116	-3.26771
6.4	-2.78953	6.42291	-.947124	7.78149	6.98033	-3.58916
6.5	-2.49658	5.90619	-1.12866	6.23293	7.93996	-3.94645
6.6	-2.26440	5.49507	-1.35132	5.12752	9.08815	-4.34598
6.7	-2.07593	5.15989	-1.55912	4.30950	10.4757	-4.79574
6.8	-1.91929	4.88114	-1.81711	3.68621	12.1714	-5.30587
6.9	-1.78878	4.64546	-2.11184	3.19972	14.2704	-5.88950
7.0	-1.67697	4.44341	-2.45190	2.81223	16.9066	-6.56366

TABLE I.— Continued

$\frac{\lambda}{b} = 0.96$

k	c	$\frac{g^{II}}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2c^2}{(D/b)^2}$	$\frac{g^{IV}}{D/b}$
0	0.176088	1.66283	1.71604	0.0310069	0.0913092	1.41387
.1	.181619	1.64803	1.70425	.0329856	.0956051	1.39472
.2	.187378	1.63281	1.69222	.0351104	.100043	1.37514
.3	.193376	1.61714	1.67996	.0373942	.105237	1.35510
.4	.199628	1.60101	1.66746	.0398512	.110803	1.33459
.5	.206148	1.58438	1.65470	.0424972	.116559	1.31359
.6	.212954	1.56723	1.64168	.0453495	.122223	1.29208
.7	.220063	1.54953	1.62839	.0484277	.128414	1.27004
.8	.227494	1.53124	1.61481	.0517533	.134953	1.24745
.9	.235267	1.51253	1.60094	.0553504	.141864	1.22429
1.0	.243405	1.49275	1.58676	.0592459	.149170	1.20054
1.1	.251932	1.47248	1.57227	.0634700	.156899	1.17616
1.2	.260876	1.45153	1.55744	.0680565	.165079	1.15114
1.3	.270266	1.42961	1.54226	.0730437	.173740	1.12544
1.4	.280133	1.40692	1.52673	.0784743	.182915	1.09904
1.5	.290512	1.38530	1.51081	.0843972	.192641	1.07190
1.6	.301442	1.35870	1.49451	.0908673	.202957	1.04400
1.7	.312966	1.33304	1.47779	.0979475	.213904	1.01529
1.8	.325129	1.30624	1.46064	.105709	.225528	.985745
1.9	.337985	1.27820	1.44305	.114234	.237880	.955319
2.0	.351591	1.24883	1.42498	.123618	.251012	.923973
2.1	.366011	1.21802	1.40643	.133964	.264985	.891660
2.2	.381316	1.18563	1.38735	.145402	.279862	.858374
2.3	.397587	1.15153	1.36774	.156075	.295713	.823945
2.4	.414914	1.11557	1.34756	.172153	.312615	.788457
2.5	.433399	1.07756	1.32678	.187834	.330651	.751753
2.6	.452156	1.03731	1.30537	.205351	.349914	.713881
2.7	.474318	.994582	1.28329	.224977	.370503	.674605
2.8	.497033	.949122	1.26052	.247042	.392530	.634002
2.9	.521472	.900634	1.23702	.271935	.416116	.591949
3.0	.547832	.848770	1.21274	.300120	.441396	.548360
3.1	.576343	.793135	1.18763	.332172	.468518	.503148
3.2	.607270	.733265	1.16166	.368777	.497647	.456218
3.3	.640926	.668619	1.13476	.410786	.528963	.407464
3.4	.677676	.598556	1.10689	.459245	.562669	.356777
3.5	.717959	.522318	1.07798	.515465	.598990	.304034

TABLE I.— Continued

Δ/b = 0.98

κ	C	g^II/(D/b)	g/(D/b)	C²	g²C²/(D/b)²	g^IV/(D/b)
3.6	0.770821	0.419779	1.04436	0.594166	0.635699	0.237053
3.7	.819068	.330510	1.00420	.670872	.576520	.181692
3.8	.872533	.252221	.972869	.761314	.720563	.124009
3.9	.932095	.123364	.940289	.868802	.768146	.0638499
4.0	.998843	.00209551	.906379	.997688	.819423	.00104836
4.1	1.07414	-.133944	.871045	1.15377	.875392	-.064578
4.2	1.15971	-.287738	.834189	1.34493	.935900	-.133230
4.3	1.25779	-.463131	.795701	1.58204	1.00165	-.205126
4.4	1.37130	-.665164	.755460	1.88048	1.07323	-.280506
4.5	1.50416	-.900586	.713334	2.26250	1.15126	-.359636
4.6	1.66172	-1.17863	.669176	2.76132	1.23651	-.442808
4.7	1.85152	-1.51230	.622824	3.42813	1.32980	-.530347
4.8	2.08450	-1.92045	.574099	4.34516	1.43212	-.622612
4.9	2.37721	-2.43160	.522799	5.65112	1.54456	-.720004
5.0	2.75584	-3.09094	.468703	7.59468	1.66841	-.822969
5.1	3.26458	-3.97462	.411558	10.6575	1.80517	-.932007
5.2	3.98412	-5.22177	.351085	15.8732	1.95655	-1.04768
5.3	5.07931	-7.11659	.286966	25.7994	2.12457	-1.17062
5.4	6.94742	-10.3440	.218844	48.2666	2.31161	-1.30155
5.5	10.8509	-17.0806	.146309	117.743	2.52045	-1.44128
5.6	24.0880	-39.9085	.0688991	580.231	2.75441	-1.59074
5.7	-124.794	216.764	.0139195	15573.7	3.01744	-1.75100
5.8	-17.7162	32.1198	-.102760	313.864	3.31126	-1.92327
5.9	-9.63367	18.2083	-.198331	92.8076	3.65059	-2.10898
6.0	-6.66204	13.0781	-.301158	44.3827	4.03338	-2.30979
6.1	-5.11850	10.4100	-.413110	26.1990	4.47112	-2.52761
6.2	-4.17331	8.77358	-.534124	17.4165	4.97432	-2.76474
6.3	-3.53523	7.66621	-.666754	12.4978	5.55603	-3.02388
6.4	-3.07563	6.86673	-.811715	9.45952	6.23271	-3.30825
6.5	-2.72894	6.26184	-.971261	7.44712	7.02523	-3.62178
6.6	-2.45819	5.78784	-1.14776	6.04272	7.96041	-3.96918
6.7	-2.24097	5.40607	-1.34414	5.02196	9.07322	-4.35632
6.8	-2.06290	5.09175	-1.56402	4.25554	10.4098	-4.79045
6.9	-1.91431	4.82823	-1.81199	3.66460	12.0320	-5.28071
7.0	-1.78850	4.60392	-2.09388	3.19875	14.0244	-5.83880

TABLE I.— Continued

λ/b = 0.98

κ	C	g^II/(D/b)	g/(D/b)	C²	g²C²/(D/b)²	g^IV/(D/b)
0	0.183215	1.63197	1.68866	0.0335679	0.0957210	1.37927
.1	.188869	1.61717	1.67699	.0356714	.100318	1.36026
.2	.194751	1.60195	1.66510	.0379278	.105157	1.34082
.3	.200874	1.58628	1.65298	.0403505	.110251	1.32094
.4	.207254	1.57015	1.64062	.0429541	.115617	1.30060
.5	.213904	1.55353	1.62802	.0457548	.121271	1.27978
.6	.220841	1.53639	1.61516	.0487707	.127230	1.25847
.7	.228083	1.51870	1.60204	.0520217	.133515	1.23664
.8	.235648	1.50042	1.58864	.0555299	.140149	1.21428
.9	.243557	1.48152	1.57495	.0593200	.147142	1.19136
1.0	.251835	1.46197	1.56097	.0634197	.154530	1.16787
1.1	.260499	1.44172	1.54668	.0678598	.162335	1.14377
1.2	.269585	1.42072	1.53206	.0726748	.170583	1.11904
1.3	.279112	1.39893	1.51711	.0779036	.179360	1.09367
1.4	.289119	1.37628	1.50182	.0835900	.188533	1.06761
1.5	.299639	1.35272	1.48616	.0897834	.198301	1.04085
1.6	.310708	1.32819	1.47012	.0965397	.208646	1.01334
1.7	.322370	1.30261	1.45368	.103922	.219608	.985058
1.8	.334670	1.27590	1.43683	.112004	.231231	.955928
1.9	.347659	1.24798	1.41955	.120867	.243562	.926033
2.0	.361393	1.21874	1.40182	.130605	.256653	.895213
2.1	.375927	1.18807	1.38362	.141328	.270559	.864466
2.2	.391358	1.15587	1.36492	.153161	.285341	.830748
2.3	.407737	1.12298	1.34571	.166250	.301065	.797011
2.4	.425161	1.08626	1.32595	.180762	.317803	.762205
2.5	.443729	1.04855	1.30561	.196895	.335634	.726276
2.6	.463553	1.00863	1.28468	.214881	.354645	.689166
2.7	.484759	.966302	1.26312	.234991	.374925	.650814
2.8	.507492	.921309	1.24090	.257548	.396582	.611153
2.9	.531918	.873568	1.21798	.282927	.419728	.570114
3.0	.558226	.822150	1.19432	.311616	.444488	.527619
3.1	.586635	.767278	1.16988	.344140	.470998	.483588
3.2	.617400	.708312	1.14462	.381183	.499110	.437933
3.3	.650818	.644740	1.11849	.425564	.529558	.390558
3.4	.687239	.575958	1.09145	.472297	.562626	.341362
3.5	.727076	.501255	1.06342	.528639	.597819	.290233

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TABLE I.- Continued

$\dfrac{\lambda}{b} = 1.00$

k	c	$\dfrac{sII}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{sIV}{D/b}$
3.6	0.77753	0.40434	1.0225	0.60455	0.63203	0.22747
3.7	.82484	.31752	.99334	.68035	.67132	.17400
3.8	.87711	.22216	.96310	.76933	.71360	.11835
3.9	.93517	.11689	.93171	.87454	.75917	.060404
4.0	1.0000	0	.89907	1.0000	.80833	0
4.1	1.0728	-.13064	.86512	1.1510	.86145	-.063023
4.2	1.1553	-.27769	.82976	1.3347	.91892	-.12884
4.3	1.2493	-.44458	.79290	1.5607	.98119	-.19765
4.4	1.3575	-.63573	.75442	1.8427	1.0488	-.26967
4.5	1.4832	-.85702	.71422	2.2000	1.1222	-.34513
4.6	1.6312	-1.1164	.67215	2.6609	1.2022	-.42428
4.7	1.8079	-1.4247	.62809	3.2684	1.2894	-.50741
4.8	2.0223	-1.7978	.58186	4.0897	1.3846	-.59484
4.9	2.2880	-2.2585	.53331	5.2349	1.4889	-.68691
5.0	2.6258	-2.8426	.48223	6.8947	1.6034	-.78400
5.1	3.0694	-3.6078	.42842	9.4211	1.7292	-.88656
5.2	3.6776	-4.6545	.37162	13.525	1.8678	-.99506
5.3	4.5626	-6.1747	.31158	20.818	2.0210	-1.1100
5.4	5.9686	-8.5859	.24798	35.624	2.1906	-1.2321
5.5	8.5460	-13.001	.18048	73.034	2.3790	-1.3619
5.6	14.802	-23.707	.10870	219.09	2.5889	-1.5003
5.7	52.179	-87.643	.032203	2722.6	2.8234	-1.6481
5.8	-35.471	62.266	-.049528	1258.2	3.0864	-1.8063
5.9	-13.418	24.539	-.13707	180.03	3.3823	-1.9762
6.0	-8.3428	15.853	-.23108	69.503	3.7166	-2.1589
6.1	-6.0896	11.992	-.33234	37.083	4.0959	-2.3562
6.2	-4.8170	9.3084	-.44176	23.203	4.5281	-2.5697
6.3	-3.9994	8.4033	-.56039	15.296	5.0231	-2.8016
6.4	-3.4501	7.4226	-.68948	11.765	5.5931	-3.0544
6.5	-3.0109	6.5987	-.83053	9.0656	6.2532	-3.3312
6.6	-2.6895	6.1420	-.98532	7.2335	7.0227	-3.6354
6.7	-2.4354	5.7003	-1.1560	5.9310	7.9260	-3.9713
6.8	-2.2294	5.3409	-1.3453	4.9702	8.9947	-4.3444
6.9	-2.0522	5.0427	-1.5563	4.2402	10.270	-4.7610
7.0	-1.9162	4.7909	-1.7933	3.6716	11.807	-5.2294

TABLE I.- Continued

$\dfrac{\lambda}{b} = 1.00$

k	c	$\dfrac{sII}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2c^2}{(D/b)^2}$	$\dfrac{sIV}{D/b}$
0	0.19023	1.6025	1.6627	0.036186	0.10004	1.3464
.1	.19599	1.5878	1.6512	.038412	.10473	1.3276
.2	.20198	1.5726	1.6394	.040798	.10965	1.3083
.3	.20822	1.5569	1.6275	.043356	.11483	1.2886
.4	.21472	1.5408	1.6153	.046103	.12029	1.2684
.5	.22148	1.5242	1.6028	.049054	.12602	1.2478
.6	.22853	1.5071	1.5901	.052228	.13206	1.2267
.7	.23589	1.4894	1.5772	.055646	.13842	1.2051
.8	.24358	1.4712	1.5640	.059330	.14512	1.1830
.9	.25161	1.4523	1.5505	.063306	.15219	1.1604
1.0	.26000	1.4328	1.5367	.067600	.15964	1.1372
1.1	.26879	1.4126	1.5226	.072246	.16749	1.1134
1.2	.27799	1.3917	1.5082	.077277	.17579	1.0890
1.3	.28764	1.3700	1.4935	.082734	.18455	1.0639
1.4	.29776	1.3474	1.4785	.088660	.19380	1.0382
1.5	.30839	1.3239	1.4631	.095106	.20359	1.0119
1.6	.31957	1.2995	1.4473	.10213	.21393	.98479
1.7	.33134	1.2741	1.4312	.10976	.22488	.95696
1.8	.34375	1.2475	1.4146	.11816	.23647	.92856
1.9	.35684	1.2197	1.3977	.12733	.24875	.89894
2.0	.37066	1.1907	1.3803	.13739	.26176	.86867
2.1	.38529	1.1602	1.3625	.14845	.27556	.83752
2.2	.40079	1.1282	1.3441	.16063	.29021	.80543
2.3	.41723	1.0946	1.3253	.17408	.30577	.77237
2.4	.43470	1.0592	1.3060	.18896	.32230	.73829
2.5	.45329	1.0219	1.2861	.20547	.33989	.70314
2.6	.47312	.98238	1.2657	.22385	.35860	.66687
2.7	.49431	.94053	1.2447	.24434	.37853	.62941
2.8	.51699	.89611	1.2230	.26728	.39977	.59071
2.9	.54133	.84882	1.2007	.29304	.42243	.55071
3.0	.56750	.79836	1.1776	.32206	.44663	.50932
3.1	.59572	.74438	1.1539	.35488	.47248	.46649
3.2	.62622	.68645	1.1293	.39215	.50013	.42212
3.3	.65929	.62411	1.1040	.43466	.52973	.37613
3.4	.69526	.55677	1.0777	.48339	.56146	.32843
3.5	.73452	.48378	1.0506	.53952	.59548	.27891

TABLE I.— Continued

$\dfrac{\lambda}{b} = 1.10$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.78985	0.36955	0.98249	0.62387	0.60220	0.20647
3.7	.83110	.29632	.95811	.69072	.63406	.16163
3.8	.87602	.21700	.93296	.76741	.66797	.11567
3.9	.92513	.13073	.90702	.85586	.70410	.067909
4.0	.97903	.036533	.88021	.95849	.74262	.018460
4.1	1.0384	-.066801	.85251	1.0784	.78772	-.032771
4.2	1.1042	-.18072	.82386	1.2194	.82764	-.085884
4.3	1.1775	-.30700	.79421	1.3866	.87460	-.14099
4.4	1.2596	-.44785	.76350	1.5866	.92486	-.19820
4.5	1.3521	-.60601	.73167	1.8283	.97873	-.25764
4.6	1.4573	-.78499	.69863	2.1236	1.0365	-.31946
4.7	1.5777	-.98930	.66434	2.4891	1.0986	-.38379
4.8	1.7170	-1.2248	.62871	2.9482	1.1653	-.45080
4.9	1.8800	-1.4995	.59163	3.5346	1.2372	-.52066
5.0	2.0733	-1.8242	.55303	4.2985	1.3147	-.59356
5.1	2.3060	-2.2141	.51280	5.3176	1.3983	-.66971
5.2	2.5915	-2.6913	.47083	6.7161	1.4888	-.74934
5.3	2.9502	-3.2892	.42698	8.7034	1.5868	-.83268
5.4	3.4139	-4.0608	.38114	11.654	1.6930	-.92001
5.5	4.0367	-5.0953	.33314	16.295	1.8084	-1.0116
5.6	4.9172	-6.5556	.28282	24.179	1.9341	-1.1079
5.7	6.2568	-8.7742	.23001	39.147	2.0711	-1.2091
5.8	8.5400	-12.552	.17450	72.931	2.2207	-1.3157
5.9	13.305	-20.430	.11606	177.02	2.3846	-1.4282
6.0	29.407	-47.037	.054455	864.78	2.5644	-1.5469
6.1	-156.76	260.51	-.010602	24573	2.7621	-1.6726
6.2	-21.736	37.443	-.079423	472.44	2.9802	-1.8057
6.3	-11.780	20.990	-.15235	138.78	3.2211	-1.9471
6.4	-8.1278	14.950	-.22979	66.061	3.4882	-2.0975
6.5	-6.2321	11.813	-.31218	38.839	3.7851	-2.2577
6.6	-5.0716	9.8896	-.40004	25.721	4.1163	-2.4289
6.7	-4.2883	8.5896	-.49394	18.390	4.4868	-2.6121
6.8	-3.7242	7.6517	-.59456	13.870	4.9029	-2.8088
6.9	-3.2986	6.9426	-.70265	10.881	5.3720	-3.0204
7.0	-2.9661	6.3874	-.81913	8.7978	5.9030	-3.2487

TABLE I.— Continued

$\dfrac{\lambda}{b} = 1.10$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$	$\dfrac{s^{III}}{D/b}$
0	0.22334	1.4743	1.5517	0.049880	0.12009	1.2051	1.3852
.1	.22950	1.4577	1.5409	.052671	.12506	1.1873	1.3561
.2	.23590	1.4448	1.5299	.055547	.13026	1.1690	1.3239
.3	.24253	1.4295	1.5188	.058821	.13569	1.1504	1.2876
.4	.24942	1.4137	1.5075	.062210	.14137	1.1315	1.2461
.5	.25658	1.3974	1.4959	.065831	.14731	1.1121	1.1981
.6	.26401	1.3807	1.4842	.069703	.15354	1.0923	1.1414
.7	.27175	1.3635	1.4722	.073848	.16006	1.0721	1.0728
.8	.27980	1.3457	1.4600	.078289	.16688	1.0515	.98756
.9	.28819	1.3274	1.4476	.083052	.17403	1.0304	.87698
1.0	.29693	1.3084	1.4349	.088166	.18153	1.0088	.72718
1.1	.30604	1.2888	1.4220	.093662	.18939	.98680	.50957
1.2	.31556	1.2685	1.4088	.099576	.19764	.96426	.15973
1.3	.32549	1.2476	1.3954	.10595	.20629	.94120	-.50564
1.4	.33588	1.2258	1.3817	.11282	.21537	.91759	-2.3122
1.5	.34675	1.2032	1.3677	.12024	.22491	.89343	-27.694
1.6	.35814	1.1798	1.3534	.12826	.23493	.86868	
1.7	.37007	1.1554	1.3388	.13695	.24546	.84334	
1.8	.38259	1.1301	1.3239	.14637	.25653	.81736	
1.9	.39574	1.1037	1.3086	.15661	.26818	.79074	
2.0	.40956	1.0761	1.2930	.16774	.28044	.76343	
2.1	.42412	1.0473	1.2770	.17988	.29335	.73542	
2.2	.43946	1.0172	1.2607	.19312	.30695	.70668	
2.3	.45564	.98573	1.2440	.20761	.32128	.67718	
2.4	.47274	.95268	1.2269	.22349	.33639	.64688	
2.5	.49084	.91797	1.2093	.24092	.35234	.61574	
2.6	.51001	.88146	1.1913	.26011	.36917	.58374	
2.7	.53036	.84298	1.1729	.28128	.38695	.55084	
2.8	.55199	.80237	1.1540	.30469	.40574	.51700	
2.9	.57502	.75941	1.1346	.33065	.42561	.48216	
3.0	.59960	.71389	1.1146	.35951	.44664	.44629	
3.1	.62587	.66554	1.0941	.39171	.46891	.40934	
3.2	.65401	.61407	1.0730	.42773	.49250	.37126	
3.3	.68423	.55916	1.0514	.46817	.51752	.33200	
3.4	.71676	.50040	1.0291	.51374	.54406	.29148	
3.5	.75186	.43737	1.0061	.56529	.57225	.24966	

TABLE I.- Continued

$\dfrac{\lambda}{b} = 1.20$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.78010	0.37703	0.96318	0.60856	0.54457	0.21180
3.7	.81479	.31189	.94281	.66389	.59012	.17461
3.8	.85209	.25255	.92190	.72606	.61708	.13636
3.9	.89229	.18352	.90043	.79618	.64552	.096984
4.0	.93574	.10926	.87837	.87561	.67556	.056441
4.1	.98285	.029106	.85569	.96599	.70730	.014679
4.2	1.0341	-.057695	.83237	1.0693	.74086	-.028364
4.3	1.0900	-.15204	.80837	1.1881	.77636	-.072745
4.4	1.1513	-.25500	.78366	1.3254	.81396	-.11854
4.5	1.2187	-.36785	.75822	1.4852	.85380	-.16580
4.6	1.2932	-.49214	.73199	1.6723	.89605	-.21461
4.7	1.3760	-.62976	.70494	1.8933	.94089	-.26505
4.8	1.4685	-.78303	.67703	2.1566	.98851	-.31721
4.9	1.5726	-.95485	.64822	2.4730	1.0391	-.37116
5.0	1.6905	-1.1489	.61844	2.8577	1.0930	-.42702
5.1	1.8251	-1.3698	.58767	3.3310	1.1504	-.48488
5.2	1.9803	-1.6239	.55582	3.9215	1.2115	-.54487
5.3	2.1611	-1.9190	.52286	4.6703	1.2768	-.60708
5.4	2.3744	-2.2665	.48870	5.6378	1.3464	-.67167
5.5	2.6298	-2.6815	.45328	6.9159	1.4210	-.73875
5.6	2.9411	-3.1864	.41653	8.6499	1.5007	-.80851
5.7	3.3287	-3.8159	.37836	11.080	1.5862	-.88108
5.8	3.8246	-4.6155	.33869	14.628	1.6779	-.95666
5.9	4.4815	-5.6757	.29741	20.084	1.7765	-1.0354
6.0	5.3926	-7.1443	.25443	29.080	1.8825	-1.1176
6.1	6.7406	-9.3151	.20963	45.436	1.9966	-1.2034
6.2	8.9391	-12.852	.16288	79.908	2.1198	-1.2931
6.3	13.161	-19.640	.11405	173.21	2.2529	-1.3862
6.4	24.581	-37.993	.062983	604.23	2.3969	-1.4852
6.5	167.85	-266.19	.0095190	28175.	2.5529	-1.5883
6.6	-35.469	58.476	-.046519	1258.0	2.7224	-1.6965
6.7	-16.186	27.491	-.10533	262.00	2.9067	-1.8102
6.8	-10.547	18.425	-.16714	111.24	3.1076	-1.9300
6.9	-7.8556	14.096	-.23219	61.710	3.3269	-2.0562
7.0	-6.2797	11.559	-.30075	39.435	3.5669	-2.1894

TABLE I.- Continued

$\dfrac{\lambda}{b} = 1.20$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$	$\dfrac{s^{III}}{D/b}$
0	0.25298	1.3716	1.4654	0.063997	0.13742	1.0947	1.2528
.1	.25932	1.3575	1.4554	.067248	.14245	1.0780	1.2396
.2	.26588	1.3431	1.4453	.070694	.14748	1.0610	1.2262
.3	.27268	1.3284	1.4351	.074352	.15212	1.0438	1.2125
.4	.27971	1.3132	1.4226	.078235	.15879	1.0262	1.1828
.5	.28699	1.2976	1.4141	.082361	.16469	1.0082	1.1839
.6	.29453	1.2816	1.4033	.086750	.17083	.98998	.85955
.7	.30236	1.2661	1.3924	.091420	.17723	.97137	.87059
.8	.31047	1.2481	1.3812	.096394	.18390	.95240	.75553
.9	.31890	1.2306	1.3699	.10170	.19085	.93305	.59939
1.0	.32765	1.2126	1.3584	.10735	.19810	.91332	.37233
1.1	.33574	1.1940	1.3467	.11340	.20565	.89320	.01051
1.2	.34620	1.1748	1.3348	.11986	.21354	.87267	-.67293
1.3	.35605	1.1550	1.3226	.12677	.22176	.85172	-2.4758
1.4	.36629	1.1345	1.3103	.13417	.23035	.83033	-30.579
1.5	.37697	1.1133	1.2977	.14211	.23931	.80849	
1.6	.38811	1.0913	1.2849	.15063	.24867	.78619	
1.7	.39974	1.0686	1.2718	.15979	.25845	.76340	
1.8	.41188	1.0450	1.2585	.16965	.26867	.74012	
1.9	.42458	1.0205	1.2449	.18027	.27936	.71633	
2.0	.43786	.99500	1.2310	.19172	.29054	.69200	
2.1	.45177	.96852	1.2169	.20410	.30223	.66713	
2.2	.46636	.94093	1.2025	.21749	.31147	.64168	
2.3	.48167	.91217	1.1877	.23200	.32729	.61564	
2.4	.49774	.88216	1.1727	.24775	.34071	.58899	
2.5	.51465	.85079	1.1573	.26487	.35477	.56171	
2.6	.53246	.81797	1.1416	.28352	.36952	.53376	
2.7	.55123	.78353	1.1256	.30386	.38498	.50513	
2.8	.57105	.74749	1.1092	.32510	.40120	.47579	
2.9	.59200	.70957	1.0924	.35046	.41823	.44571	
3.0	.61417	.66966	1.0753	.37721	.43612	.41486	
3.1	.63768	.62759	1.0577	.40664	.45491	.38322	
3.2	.66265	.58316	1.0397	.43911	.47466	.35074	
3.3	.68921	.53615	1.0213	.47502	.49544	.31740	
3.4	.71752	.48632	1.0024	.51464	.51730	.28315	
3.5	.74775	.43339	.98303	.55913	.54032	.24797	

TABLE I.- Continued

$\dfrac{\lambda}{b} = 1.50$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.71578	0.46435	0.95222	0.51234	0.46455	0.27064
3.7	.73597	.43074	.93977	.54165	.47837	.24813
3.8	.75709	.39571	.92711	.57319	.49268	.22520
3.9	.77920	.35916	.91425	.60715	.50749	.20187
4.0	.80237	.32099	.90116	.64480	.52283	.17809
4.1	.82669	.28108	.88765	.68441	.53872	.15388
4.2	.85222	.23931	.87431	.72629	.55519	.12920
4.3	.87908	.19553	.86053	.77278	.57226	.10406
4.4	.90735	.14959	.84651	.82329	.58995	.078426
4.5	.93716	.10131	.83223	.87827	.60830	.052297
4.6	.96863	.050498	.81770	.93824	.62734	.025651
4.7	1.0019	-.003508	.80290	1.0038	.64709	-.0015239
4.8	1.0371	-.059578	.78782	1.0756	.66752	-.029246
4.9	1.0745	-.11835	.77246	1.1545	.68888	-.057532
5.0	1.1142	-.18266	.75680	1.2414	.71099	-.086400
5.1	1.1564	-.24986	.74084	1.3373	.73395	-.11587
5.2	1.2014	-.32132	.72457	1.4435	.75782	-.14596
5.3	1.2496	-.39747	.70797	1.5614	.78262	-.17669
5.4	1.3011	-.47880	.69105	1.6929	.80843	-.20807
5.5	1.3564	-.56589	.67378	1.8399	.83526	-.24015
5.6	1.4159	-.65938	.65615	2.0049	.86319	-.27293
5.7	1.4802	-.76002	.63816	2.1910	.89227	-.30644
5.8	1.5497	-.86869	.61979	2.4016	.92254	-.34070
5.9	1.6252	-.98641	.60102	2.6412	.95408	-.37575
6.0	1.7074	-1.1144	.58185	2.9152	.98694	-.41160
6.1	1.7973	-1.2540	.56225	3.2304	1.0212	-.44830
6.2	1.8961	-1.4071	.54222	3.5951	1.0570	-.48587
6.3	2.0050	-1.5756	.52173	4.0199	1.0942	-.52433
6.4	2.1257	-1.7621	.50078	4.5186	1.1332	-.56373
6.5	2.2603	-1.9695	.47933	5.1089	1.1738	-.60410
6.6	2.4112	-2.2018	.45739	5.8140	1.2163	-.64547
6.7	2.5817	-2.4638	.43491	6.6650	1.2607	-.68789
6.8	2.7757	-2.7615	.41190	7.7044	1.3071	-.73139
6.9	2.9985	-3.1029	.38831	8.9908	1.3557	-.77603
7.0	3.2569	-3.4985	.36414	10.608	1.4065	-.82183

TABLE I.- Continued

$\dfrac{\lambda}{b} = 1.50$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$	$\dfrac{s^{III}}{D/b}$
0	0.32209	1.1638	1.2985	0.10374	0.17492	0.88027	.95033
.1	.32815	1.1519	1.2909	.10768	.17944	.86729	.90613
.2	.33437	1.1397	1.2832	.11180	.18410	.85415	.85491
.3	.34075	1.1273	1.2754	.11611	.18888	.84082	.79457
.4	.34731	1.1147	1.2676	.12063	.19381	.82731	.72206
.5	.35405	1.1017	1.2596	.12535	.19888	.81362	.63277
.6	.36098	1.0884	1.2515	.13031	.20410	.79975	.51946
.7	.36810	1.0749	1.2434	.13550	.20947	.78568	.36998
.8	.37542	1.0610	1.2351	.14094	.21500	.77141	.16225
.9	.38295	1.0468	1.2267	.14665	.22070	.75695	-.14832
1.0	.39071	1.0323	1.2183	.15265	.22656	.74228	-.66763
1.1	.39869	1.0174	1.2097	.15895	.23260	.72740	-1.7230
1.2	.40690	1.0022	1.2010	.16557	.23882	.71231	-5.0776
1.3	.41537	.98652	1.1922	.17253	.24523	.69700	
1.4	.42410	.97047	1.1833	.17986	.25184	.68147	
1.5	.43309	.95402	1.1743	.18757	.25865	.66570	
1.6	.44237	.93712	1.1651	.19570	.26566	.64971	
1.7	.45195	.91977	1.1559	.20426	.27290	.63347	
1.8	.46184	.90193	1.1465	.21330	.28035	.61699	
1.9	.47205	.88360	1.1370	.22283	.28805	.60025	
2.0	.48260	.86474	1.1273	.23291	.29598	.58326	
2.1	.49351	.84534	1.1175	.24356	.30416	.56601	
2.2	.50480	.82535	1.1076	.25482	.31261	.54848	
2.3	.51648	.80476	1.0975	.26675	.32132	.53068	
2.4	.52857	.78354	1.0873	.27939	.33032	.51260	
2.5	.54110	.76164	1.0770	.29279	.33960	.49422	
2.6	.55409	.73904	1.0665	.30702	.34919	.47555	
2.7	.56757	.71570	1.0558	.32213	.35909	.45657	
2.8	.58155	.69158	1.0450	.33820	.36932	.43728	
2.9	.59607	.66662	1.0340	.35530	.37988	.41766	
3.0	.61117	.64080	1.0229	.37353	.39080	.39772	
3.1	.62687	.61405	1.0115	.39296	.40209	.37744	
3.2	.64320	.58632	1.0001	.41371	.41375	.35681	
3.3	.66023	.55754	.98837	.43590	.42582	.33582	
3.4	.67796	.52768	.97651	.45963	.43829	.31448	
3.5	.69646	.49664	.96446	.48506	.45120	.29275	

TABLE I.- Continued

$\dfrac{\lambda}{b} = 2.00$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.63179	0.57941	0.96432	0.39916	0.37118	0.35507
3.7	.64149	.56364	.95777	.41151	.37749	.34337
3.8	.65143	.54753	.95217	.42436	.38393	.33155
3.9	.66161	.53106	.94450	.43773	.39049	.31961
4.0	.67205	.51423	.93777	.45165	.39719	.30755
4.1	.68274	.49702	.93098	.46613	.40401	.29536
4.2	.69370	.47942	.92413	.48122	.41098	.28306
4.3	.70495	.46141	.91722	.49695	.41808	.27063
4.4	.71648	.44297	.91024	.51334	.42532	.25807
4.5	.72832	.42410	.90320	.53044	.43272	.24538
4.6	.74047	.40477	.89608	.54829	.44026	.23257
4.7	.75294	.38497	.88891	.56692	.44795	.21961
4.8	.76576	.36467	.88166	.58638	.45581	.20652
4.9	.77892	.34386	.87434	.60672	.46382	.19330
5.0	.79246	.32252	.86695	.62799	.47200	.17993
5.1	.80637	.30062	.85949	.65024	.48035	.16642
5.2	.82069	.27814	.85196	.67353	.48887	.15277
5.3	.83542	.25506	.84435	.69792	.49757	.13897
5.4	.85058	.23135	.83667	.72349	.50645	.12501
5.5	.86620	.20698	.82891	.75030	.51552	.11091
5.6	.88229	.18192	.82107	.77843	.52478	.096650
5.7	.89887	.15615	.81315	.80797	.53424	.082233
5.8	.91597	.12963	.80515	.83900	.54390	.067657
5.9	.93361	.10232	.79707	.87163	.55376	.052916
6.0	.95182	.074189	.78890	.90596	.56384	.038010
6.1	.97062	.045196	.78065	.94210	.57413	.022935
6.2	.99004	.015300	.77231	.98019	.58465	.0076885
6.3	1.0101	-.015544	.76389	1.0203	.59540	-.0077327
6.4	1.0309	-.047384	.75537	1.0627	.60638	-.023332
6.5	1.0524	-.080273	.74677	1.1075	.61760	-.039112
6.6	1.0746	-.11426	.73806	1.1548	.62907	-.055077
6.7	1.0977	-.14942	.72927	1.2049	.64080	-.071229
6.8	1.1216	-.18579	.72038	1.2579	.65278	-.087573
6.9	1.1463	-.22346	.71139	1.3141	.66505	-.10411
7.0	1.1721	-.26249	.70230	1.3738	.67758	-.12085

TABLE I.- Continued

$\dfrac{\lambda}{b} = 2.00$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$	$\dfrac{s^{III}}{D/b}$
0	0.39017	0.98950	1.1672	0.15223	0.20739	0.71179	0.63527
.1	.39189	.98104	1.1623	.15594	.21065	.70531	.58206
.2	.39368	.97246	1.1573	.15975	.21397	.69477	.51998
.3	.40457	.96376	1.1524	.16367	.21735	.68716	.44685
.4	.40953	.95492	1.1474	.16772	.22079	.67747	.35901
.5	.41459	.94596	1.1423	.17189	.22429	.66872	.25117
.6	.41974	.93686	1.1372	.17618	.22785	.65989	.11521
.7	.42498	.92763	1.1321	.18061	.23147	.65098	-.062125
.8	.43031	.91826	1.1269	.18517	.23516	.64200	-.20399
.9	.43575	.90874	1.1217	.18987	.23891	.63294	-.65477
1.0	.44128	.89907	1.1165	.19473	.24273	.62380	-1.2117
1.1	.44692	.88926	1.1112	.19973	.24662	.61459	-2.2367
1.2	.45266	.87928	1.1059	.20490	.25058	.60529	-4.7626
1.3	.45851	.86915	1.1005	.21023	.25462	.59592	-21.305
1.4	.46447	.85885	1.0951	.21574	.25872	.58646	
1.5	.47055	.84839	1.0897	.22142	.26290	.57692	
1.6	.47675	.83775	1.0842	.22729	.26716	.56729	
1.7	.48307	.82693	1.0786	.23335	.27149	.55770	
1.8	.48951	.81593	1.0730	.23962	.27591	.54778	
1.9	.49608	.80474	1.0674	.24610	.28040	.53790	
2.0	.50279	.79335	1.0618	.25279	.28498	.52792	
2.1	.50963	.78177	1.0560	.25972	.28964	.51785	
2.2	.51661	.76998	1.0503	.26688	.29439	.50770	
2.3	.52373	.75797	1.0445	.27430	.29923	.49745	
2.4	.53101	.74575	1.0386	.28197	.30416	.48710	
2.5	.53844	.73331	1.0327	.28991	.30919	.47666	
2.6	.54602	.72063	1.0267	.29814	.31430	.46612	
2.7	.55377	.70772	1.0207	.30666	.31952	.45549	
2.8	.56169	.69456	1.0147	.31549	.32483	.44475	
2.9	.56978	.68115	1.0086	.32465	.33024	.43391	
3.0	.57805	.66747	1.0024	.33414	.33576	.42297	
3.1	.58651	.65352	.99621	.34399	.34139	.41193	
3.2	.59515	.63930	.98994	.35421	.34712	.40077	
3.3	.60400	.62478	.98362	.36481	.35296	.38951	
3.4	.61305	.60997	.97724	.37583	.35892	.37815	
3.5	.62231	.59485	.97081	.38727	.36499	.36667	

TABLE I.— Continued

$$\frac{\lambda}{b} = 3.00$$

k	c	$\frac{gII}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{gIV}{D/b}$
3.6	0.56044	0.67346	0.98185	0.31409	0.30280	0.43158
3.7	.56415	.56750	.97912	.31826	.30511	.42675
3.8	.56789	.66149	.97638	.32250	.30745	.42190
3.9	.57168	.65543	.97362	.32681	.30980	.41703
4.0	.57550	.64931	.97086	.33120	.31218	.41213
4.1	.57936	.64315	.96809	.33566	.31458	.40722
4.2	.58326	.65692	.96531	.34019	.31700	.40228
4.3	.58720	.63063	.96251	.34480	.31943	.39732
4.4	.59118	.62429	.95970	.34950	.32189	.39234
4.5	.59520	.61789	.95688	.35427	.32437	.38734
4.6	.59927	.61143	.95405	.35912	.32688	.38232
4.7	.60338	.60491	.95122	.36406	.32941	.37728
4.8	.60753	.59833	.94836	.36909	.33195	.37221
4.9	.61172	.59169	.94550	.37420	.33452	.36712
5.0	.61596	.58498	.94262	.37941	.33712	.36200
5.1	.62024	.57822	.93974	.38470	.33973	.35687
5.2	.62457	.57138	.93684	.39009	.34237	.35171
5.3	.62895	.56448	.93393	.39558	.34504	.34653
5.4	.63338	.55752	.93101	.40117	.34772	.34133
5.5	.63785	.55049	.92808	.40685	.35043	.33610
5.6	.64237	.54338	.92515	.41264	.35317	.33085
5.7	.64694	.53623	.92219	.41853	.35595	.32559
5.8	.65156	.52897	.91921	.42454	.35871	.32029
5.9	.65624	.52166	.91623	.43065	.36152	.31496
6.0	.66096	.51428	.91325	.43687	.36436	.30963
6.1	.66574	.50681	.91024	.44321	.36721	.30425
6.2	.67058	.49926	.90721	.44967	.37010	.29886
6.3	.67546	.49166	.90420	.45625	.37301	.29345
6.4	.68041	.48596	.90115	.46295	.37595	.28800
6.5	.68541	.47618	.89809	.46979	.37891	.28253
6.6	.69046	.46833	.89503	.47674	.38191	.27704
6.7	.69558	.46039	.89194	.48384	.38492	.27152
6.8	.70075	.45238	.88886	.49106	.38797	.26599
6.9	.70600	.44426	.88575	.49843	.39104	.26041
7.0	.71126	.43610	.88265	.50592	.39415	.25484

TABLE I.— Continued

$$\frac{\lambda}{b} = 3.00$$

k	c	$\frac{gII}{D/b}$	$\frac{s}{D/b}$	c^2	$\frac{s^2 c^2}{(D/b)^2}$	$\frac{gIV}{D/b}$	$\frac{gIII}{D/b}$
0	0.44788	0.85837	1.0738	0.20060	0.23128	0.59285	0.32996
.1	.45054	.85390	1.0714	.20299	.23299	.58867	.28287
.2	.45322	.84939	1.0690	.20541	.23472	.58449	.23032
.3	.45595	.84485	1.0666	.20787	.23646	.58028	.17127
.4	.45865	.84028	1.0641	.21036	.23821	.57606	.10436
.5	.46140	.83567	1.0617	.21289	.23997	.57183	.027850
.6	.46418	.83103	1.0593	.21546	.24176	.56757	-.060582
.7	.46698	.82635	1.0568	.21807	.24355	.56330	-.16404
.8	.46981	.82164	1.0544	.22072	.24537	.55902	-.28684
.9	.47266	.81690	1.0519	.22340	.24719	.55471	-.43511
1.0	.47553	.81212	1.0494	.22613	.24904	.55059	-.61786
1.1	.47843	.80730	1.0469	.22890	.25089	.54605	-.84897
1.2	.48136	.80244	1.0445	.23171	.25277	.54169	-1.1509
1.3	.48432	.79755	1.0419	.23456	.25466	.53732	-1.5621
1.4	.48730	.79262	1.0394	.23746	.25656	.53293	-2.1572
1.5	.49030	.78765	1.0369	.24040	.25848	.52852	-3.0941
1.6	.49334	.78264	1.0344	.24338	.26041	.52409	-4.7894
1.7	.49640	.77759	1.0319	.24642	.26237	.51964	-8.7970
1.8	.49948	.77251	1.0293	.24950	.26434	.51518	-30.059
1.9	.50262	.76738	1.0268	.25262	.26632	.51069	
2.0	.50576	.76221	1.0242	.25580	.26833	.50619	
2.1	.50894	.75700	1.0216	.25902	.27035	.50167	
2.2	.51215	.75175	1.0190	.26230	.27238	.49714	
2.3	.51539	.74645	1.0164	.26565	.27444	.49258	
2.4	.51866	.74112	1.0138	.26901	.27651	.48801	
2.5	.52196	.73573	1.0112	.27244	.27860	.48341	
2.6	.52529	.73031	1.0086	.27593	.28071	.47880	
2.7	.52866	.72484	1.0060	.27948	.28283	.47417	
2.8	.53205	.71932	1.0033	.28308	.28497	.46951	
2.9	.53548	.71375	1.0007	.28674	.28713	.46484	
3.0	.53894	.70814	.99803	.29046	.28932	.46015	
3.1	.54244	.70249	.99536	.29424	.29151	.45544	
3.2	.54597	.69678	.99268	.29808	.29373	.45071	
3.3	.54953	.69103	.98999	.30199	.29597	.44596	
3.4	.55313	.68522	.98728	.30595	.29822	.44119	
3.5	.55677	.67937	.98457	.30999	.30050	.43640	

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TABLE I.– Concluded

$\dfrac{\lambda}{b} = 5.00$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$
3.6	0.52195	0.72256	0.99311	0.27243	0.26868	0.47476
3.7	.52317	.72060	.99216	.27370	.26943	.47309
3.8	.52439	.71864	.99121	.27499	.27018	.47142
3.9	.52562	.71667	.99026	.27628	.27092	.46975
4.0	.52686	.71469	.98931	.27753	.27168	.46808
4.1	.52810	.71271	.98835	.27889	.27243	.46640
4.2	.52934	.71072	.98740	.28020	.27319	.46473
4.3	.53059	.70873	.98644	.28153	.27394	.46304
4.4	.53184	.70673	.98548	.28286	.27471	.46136
4.5	.53310	.70473	.98453	.28420	.27547	.45967
4.6	.53436	.70272	.98357	.28554	.27624	.45799
4.7	.53563	.70070	.98261	.28690	.27700	.45629
4.8	.53690	.69867	.98164	.28826	.27777	.45460
4.9	.53817	.59664	.98068	.28963	.27855	.45290
5.0	.53945	.59461	.97971	.29101	.27932	.45120
5.1	.54074	.69257	.97875	.29240	.28010	.44950
5.2	.54203	.69052	.97778	.29379	.28088	.44780
5.3	.54332	.68846	.97681	.29520	.28166	.44609
5.4	.54462	.68640	.97584	.29661	.28245	.44438
5.5	.54592	.68433	.97487	.29803	.28324	.44267
5.6	.54723	.68226	.97390	.29946	.28403	.44095
5.7	.54854	.68018	.97292	.30089	.28482	.43924
5.8	.54985	.57809	.97195	.30234	.28561	.43752
5.9	.55118	.57599	.97097	.30379	.28641	.43579
6.0	.55250	.57389	.96999	.30526	.28721	.43407
6.1	.55383	.57179	.96901	.30673	.28801	.43234
6.2	.55517	.56967	.96803	.30821	.28882	.43061
6.3	.55651	.56755	.96705	.30970	.28963	.42888
6.4	.55785	.56542	.96606	.31120	.29044	.42714
6.5	.55920	.56329	.96508	.31271	.29125	.42540
6.6	.56056	.56115	.96409	.31423	.29207	.42366
6.7	.56192	.55900	.96310	.31575	.29288	.42192
6.8	.56329	.55684	.96211	.31729	.29370	.42017
6.9	.56466	.55468	.96112	.31884	.29453	.41842
7.0	.56603	.55251	.96013	.32039	.29535	.41667

TABLE I.– Continued

$\dfrac{\lambda}{b} = 5.00$

k	c	$\dfrac{s^{II}}{D/b}$	$\dfrac{s}{D/b}$	c^2	$\dfrac{s^2 c^2}{(D/b)^2}$	$\dfrac{s^{IV}}{D/b}$	$\dfrac{s^{III}}{D/b}$
0	0.48051	0.76932	1.0264	0.23099	0.24335	0.53311	0.13046
.1	.48169	.78756	1.0255	.23203	.24402	.53153	.10503
.2	.48276	.78579	1.0246	.23308	.24469	.52994	.07833
.3	.48387	.78402	1.0237	.23413	.24536	.52836	.04967
.4	.48496	.78224	1.0228	.23518	.24603	.52677	.02097
.5	.48606	.78045	1.0219	.23625	.24671	.52519	−.01523
.6	.48716	.77867	1.0210	.23732	.24738	.52360	−.045054
.7	.48826	.77688	1.0201	.23840	.24806	.52200	−.080681
.8	.48937	.77508	1.0191	.23948	.24874	.52041	−.11861
.9	.49048	.77328	1.0182	.24057	.24943	.51881	−.15909
1.0	.49160	.77147	1.0173	.24157	.25011	.51721	−.20238
1.1	.49271	.76965	1.0164	.24277	.25080	.51561	−.24870
1.2	.49384	.76783	1.0155	.24387	.25149	.51400	−.29868
1.3	.49496	.76601	1.0146	.24499	.25218	.51239	−.35246
1.4	.49609	.76418	1.0136	.24611	.25287	.51078	−.41063
1.5	.49723	.76235	1.0127	.24723	.25357	.50917	−.47375
1.6	.49836	.76051	1.0118	.24837	.25427	.50756	−.54248
1.7	.49950	.75866	1.0109	.24951	.25496	.50594	−.61764
1.8	.50065	.75681	1.0100	.25065	.25567	.50432	−.70016
1.9	.50180	.75496	1.0090	.25180	.25637	.50270	−.79121
2.0	.50295	.75309	1.0081	.25296	.25708	.50108	−.89219
2.1	.50411	.75123	1.0072	.25413	.25779	.49945	−1.0048
2.2	.50527	.74936	1.0062	.25530	.25850	.49782	−1.1313
2.3	.50643	.74748	1.0052	.25648	.25921	.49619	−1.2744
2.4	.50760	.74559	1.0044	.25766	.25993	.49456	−1.4376
2.5	.50878	.74371	1.0035	.25885	.26064	.49292	−1.6255
2.6	.50995	.74181	1.0025	.26005	.26136	.49128	−1.8441
2.7	.51113	.73991	1.0016	.26126	.26209	.48964	−2.1018
2.8	.51231	.73801	1.0006	.26247	.26281	.48800	−2.4101
2.9	.51351	.73610	.99971	.26369	.26354	.48635	−2.7857
3.0	.51472	.73418	.99877	.26492	.26428	.48470	−3.2532
3.1	.51590	.73226	.99783	.26615	.26500	.48305	−3.8513
3.2	.51710	.73033	.99683	.26739	.26573	.48140	−4.6438
3.3	.51830	.72839	.99594	.26864	.26646	.47974	−5.7439
3.4	.51951	.72645	.99500	.26989	.26720	.47808	−7.3742
3.5	.52073	.72451	.99405	.27116	.26794	.47642	−10.040

TABLE II.- VALUES OF $\dfrac{s^{III}}{\overline{D/b}}$

k \ λ/b	1.1	1.2	1.5	2.0	2.5	3.0	3.2
0	1.3852	1.2528	0.95033	0.63527	0.44808	0.329963	0.294961
.1	1.3561	1.2196	.90613	.58206	.39565	.282870	.250398
.2	1.3239	1.1822	.85491	.51998	.33583	.230325	.201082
.3	1.2876	1.1395	.79457	.44685	.26686	.171272	.146172
.4	1.2461	1.0898	.72206	.35901	.18633	.104362	.0846137
.5	1.1981	1.0309	.63277	.25117	.090925	.0278503	.0150727
.6	1.1414	.95955	.51946	.11522	-.024141	-.0605824	-.0641707
.7	1.0728	.87059	.36998	-.062125	-.16582	-.164044	-.155368
.8	.98736	.75553	.16225	-.30399	-.34492	-.286843	-.261527
.9	.87698	.59939	-.14832	-.65477	-.57893	-.435109	-.386756
1.0	.72718	.37293	-.66763	-1.2117	-.89832	-.617863	-.536820
1.1	.50957	.010451	-1.7230	-2.2367	-1.3612	-.848965	-.720072
1.2	.15973	-.67293	-5.0776	-4.7626	-2.0938	-1.15085	-.949081
1.3	-.50564	-2.4758	------	-21.305	-3.4322	-1.56237	-1.24368
1.4	-2.3122	-30.579	------	------	-6.6670	-2.15720	-1.63712
1.5	-27.694	------	------	------	-25.740	-3.09407	-2.18966
1.6	------	------	------	------	------	-4.78938	-3.02310
1.7	------	------	------	------	------	-8.79700	-4.42607
1.8	------	------	------	------	------	-30.0586	-7.28913
1.9	------	------	------	------	------	------	-16.3758

k \ λ/b	3.4	3.6	3.8	4.0	4.5	5.0
0	0.265047	0.239315	0.217044	0.197660	0.158984	0.130458
.1	.223038	.199809	.179947	.162848	.129284	.105025
.2	.176902	.156727	.139750	.125348	.0976892	.0782332
.3	.125970	.109538	.0960329	.0848256	.0640034	.0499670
.4	.0694224	.0575992	.0482917	.0408836	.0280047	.0200967
.5	.00623704	.000129198	-.00407640	-.00694516	-.0105616	-.0115229
.6	-.0648696	-.0638370	-.0618006	-.0592177	-.0519895	-.0450537
.7	-.145536	-.135502	-.125774	-.116603	-.0966194	-.0806814
.8	-.237886	-.216386	-.197099	-.179911	-.144848	-.118614
.9	-.344723	-.308436	-.277153	-.250133	-.197141	-.159088
1.0	-.469826	-.414194	-.367680	-.328493	-.254046	-.202375
1.1	-.618415	-.537027	-.470926	-.416527	-.316217	-.248785
1.2	-.797908	-.681515	-.589824	-.516176	-.384434	-.298676
1.3	-1.01922	-.854031	-.728283	-.629946	-.459644	-.352464
1.4	-1.29907	-1.06372	-.891647	-.761113	-.542997	-.410633
1.5	-1.66450	-1.32420	-1.08738	-.914054	-.635920	-.473750
1.6	-2.16223	-1.65666	-1.32626	-1.09475	-.740167	-.542484
1.7	-2.88050	-2.09596	-1.62456	-1.31160	-.857991	-.617637
1.8	-4.00857	-2.70387	-2.00748	-1.57675	-.992254	-.700159
1.9	-6.03892	-3.60108	-2.51763	-1.90850	-1.14669	-.791206
2.0	-10.7175	-5.05956	-3.23123	-2.33572	-1.32626	-.892188

TABLE II.- VALUES OF $\dfrac{S^{III}}{D/b}$ - Concluded

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k \ λ/b	6	8	10	15	20
0	0.0921666	0.0527543	0.0340397	0.0152524	0.00860406
.1	.0731585	.0412402	.0264110	.0117431	.00660609
.2	.0534150	.0294648	.0186669	.00821033	.00460053
.3	.0328910	.0174189	.0108122	.00465378	.00258735
.4	.0115378	.00509280	.00283687	.00107323	.000566493
.5	-.0106976	-.00752375	-.00525943	-.00253159	-.00146208
.6	-.0338725	-.0204414	-.0134795	-.00616093	-.00349841
.7	-.0580497	-.0336714	-.0218264	-.00981505	-.00554255
.8	-.0832973	-.0472256	-.0303031	-.0134942	-.00759455
.9	-.109690	-.0611162	-.0389127	-.0171987	-.00965444
1.0	-.137310	-.0753564	-.0476585	-.0209287	-.0117223
1.1	-.166246	-.0899599	-.0565437	----------	----------
1.2	-.196598	-.104941	-.0655720	----------	----------
1.3	-.228474	-.120315	-.0747468	----------	----------
1.4	-.261994	-.136098	-.0840718	----------	----------
1.5	-.297292	-.152307	-.0935509	----------	----------
1.6	-.334516	-.168960	-.103188	----------	----------
1.7	-.373831	-.186075	-.112987	----------	----------
1.8	-.415421	-.203673	-.122953	----------	----------
1.9	-.459493	-.221775	-.133089	----------	----------
2.0	-.506279	-.240404	-.143400	----------	----------

k \ λ/b	25	30	40	50
0	0.00551392	0.00383188	0.00215698	0.00138093
.1	.00422803	.00293617	.00165162	.00105704
.2	.00293900	.00203895	.00114577	.000732954
.3	.00164683	.00114020	.000639439	.000408670
.4	.000351509	.000239931	.000132625	.0000841882
.5	-.000946985	-.000661869	-.000374672	-.000240492
.6	-.00224866	-.00156520	-.000882457	-.000565372
.7	-.00355352	-.00247008	-.00139073	-.000890451
.8	-.00486159	-.00337649	-.00189948	-.00121573
.9	-.00617288	-.00428445	-.00240873	-.00154121
1.0	-.00748739	-.00519396	-.00291846	-.00186688